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Imrey et al.

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(54) **ENHANCED TRANSACTION RESOLUTION TECHNIQUES**

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(21) Appl. No.: **15/436,226**

(22) Filed: **Feb. 17, 2017**

Related U.S. Application Data

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(60) Provisional application No. 60/620,131, filed on Oct. 19, 2004, provisional application No. 60/620,131, filed on Oct. 19, 2004, provisional application No. 60/620,131, filed on Oct. 19, 2004.

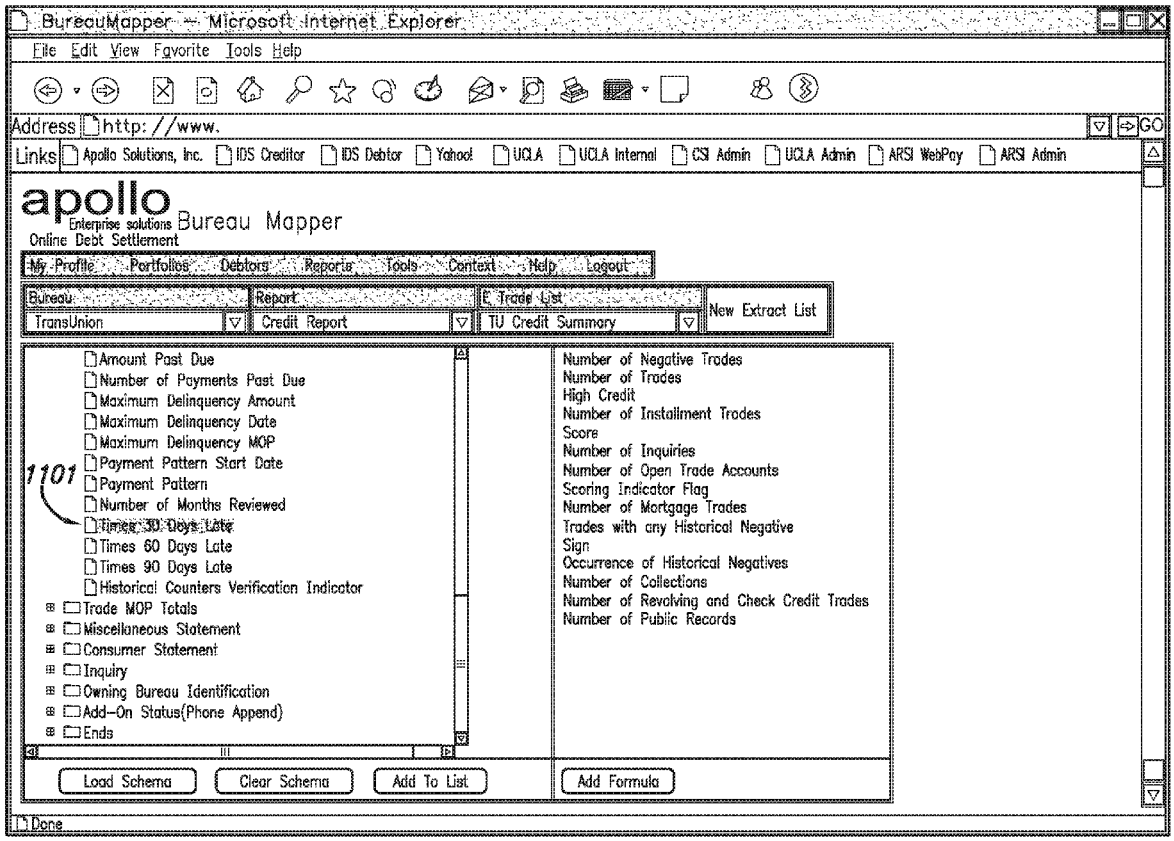
Publication Classification

(51) **Int. Cl.**
G06Q 40/02 (2006.01)

(52) **U.S. Cl.**
CPC ***G06Q 40/025*** (2013.01)

(57) **ABSTRACT**

A method for completing a sale transaction is presented. The method comprises establishing network communications between a user and a server arrangement, receiving information, at the server arrangement, seeking available information pertinent to the sale transaction from at least one source external to the server and the user, processing data from the available information using a rules based engine including rules established on behalf of a selling party located at the server, and presenting an offer set to the user based on at least one decision made by the rules based engine. The user may employ various devices to contact the server and seek to complete the transaction.



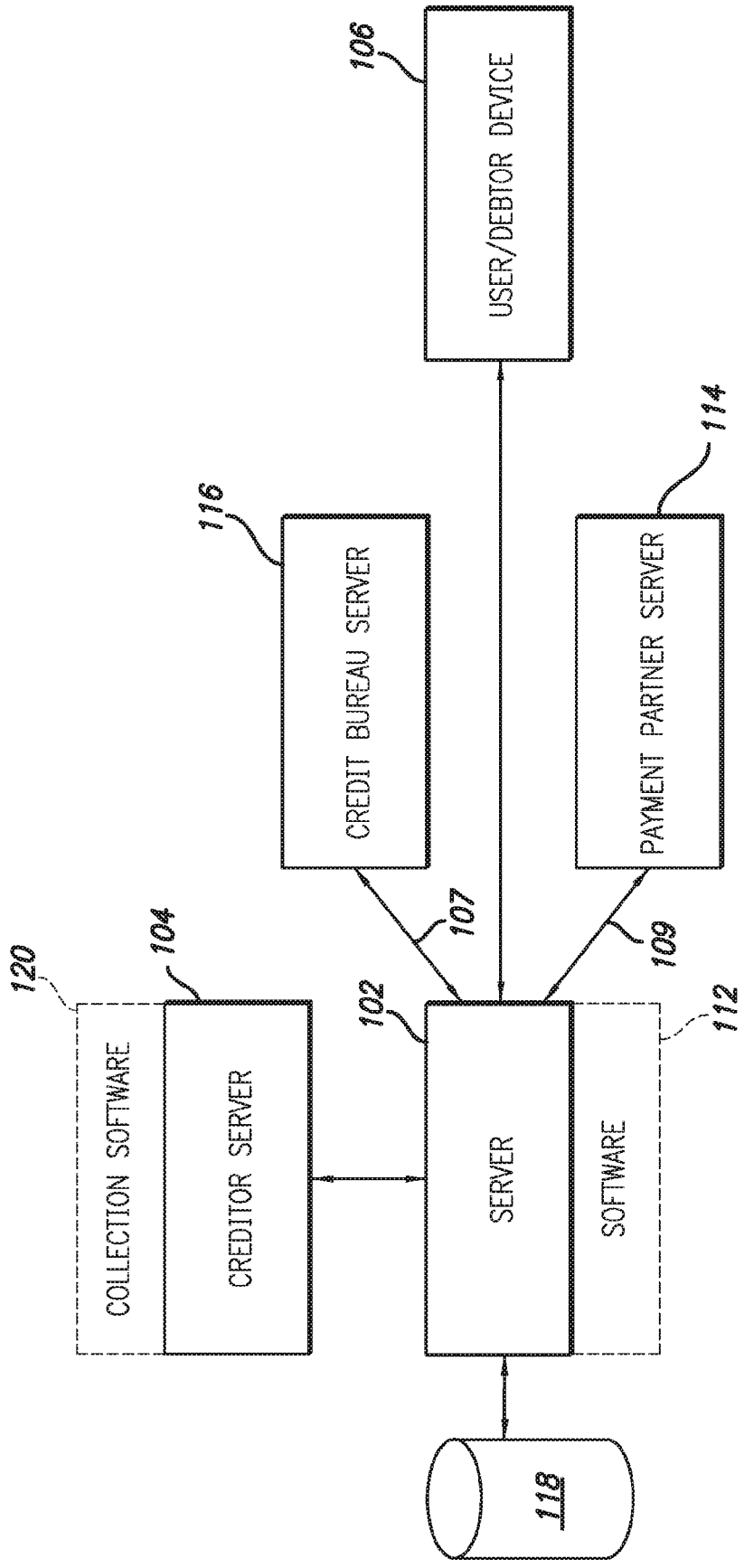

106
USER/DEBTOR DEVICE
116
CREDIT BUREAU SERVER
114
PAYMENT PARTNER SERVER
107
109
120
104
102
112
COLLECTION SOFTWARE
CREDITOR SERVER
SERVER
SOFTWARE
118

FIG. 1

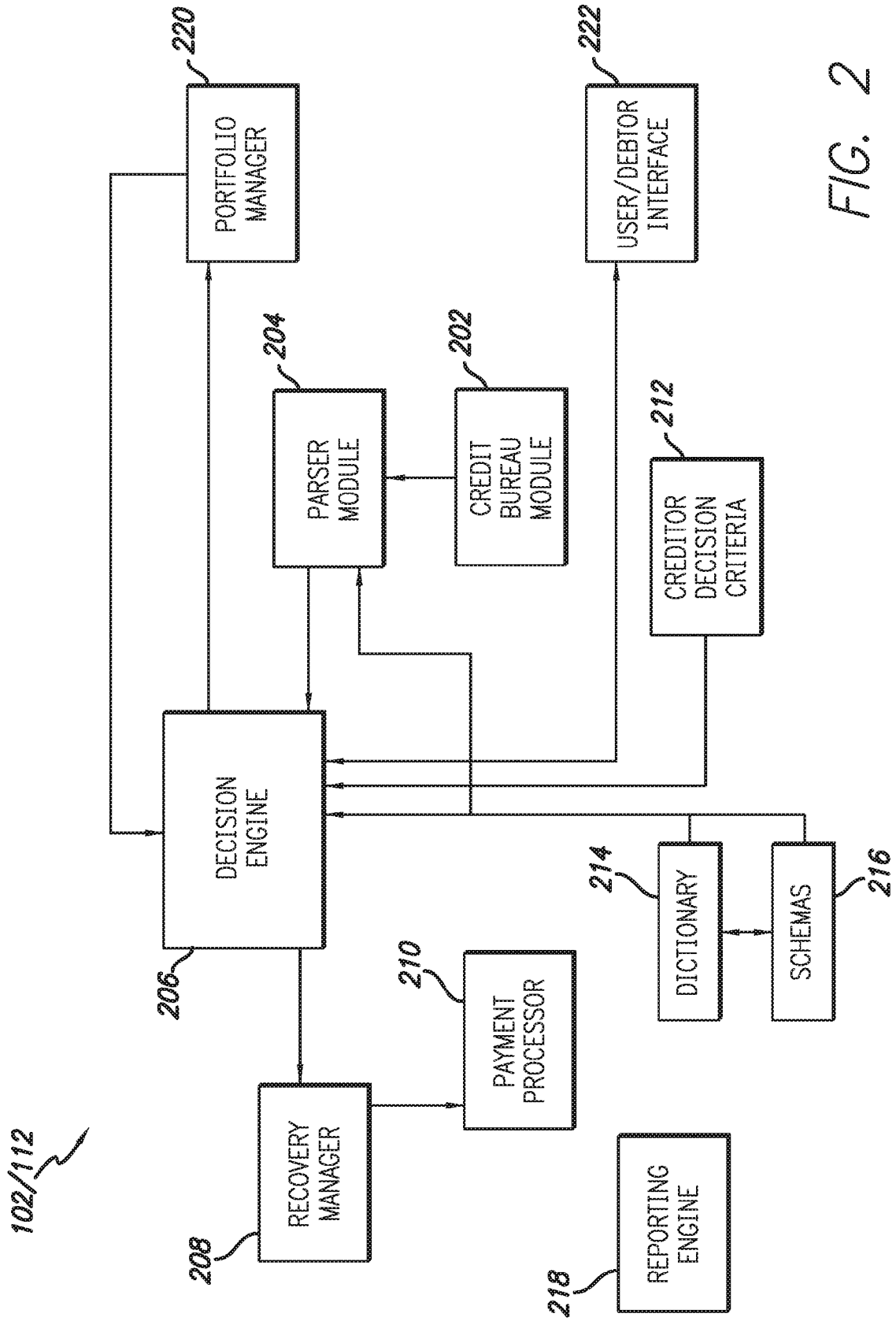

102/112
PORTFOLIO MANAGER
220
USER/DEBTOR INTERFACE
222
PARSER MODULE
204
CREDIT BUREAU MODULE
202
CREDITOR DECISION CRITERIA
212
DECISION ENGINE
206
DICTIONARY
214
SCHEMAS
216
PAYMENT PROCESSOR
210
RECOVERY MANAGER
208
REPORTING ENGINE
218

FIG. 2

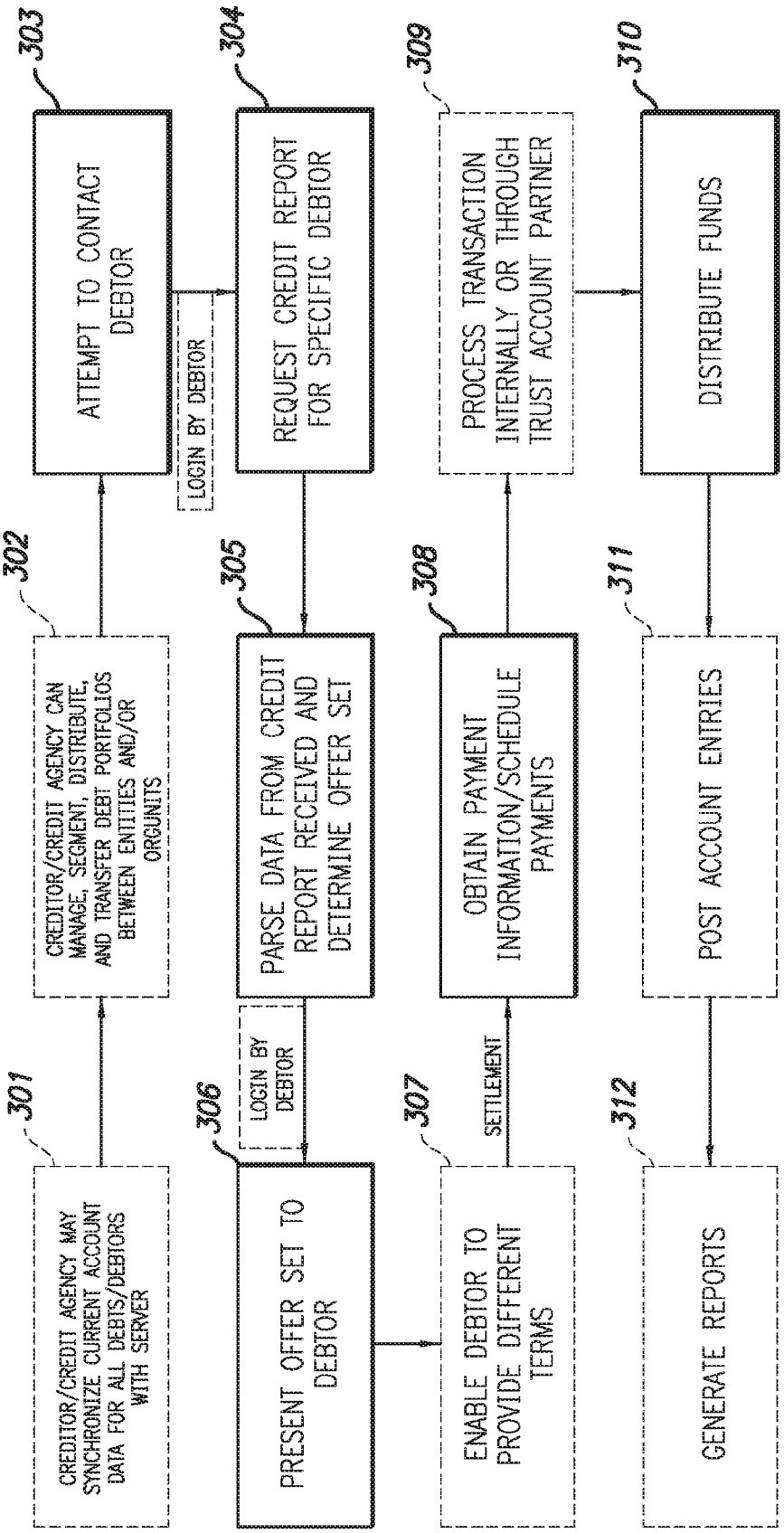

301
CREDITOR/CREDIT AGENCY MAY SYNCHRONIZE CURRENT ACCOUNT DATA FOR ALL DEBTS/DEBTORS WITH SERVER
302
CREDITOR/CREDIT AGENCY CAN MANAGE, SEGMENT, DISTRIBUTE, AND TRANSFER DEBT PORTFOLIOS BETWEEN ENTITIES AND/OR ORGUNITS
303
ATTEMPT TO CONTACT DEBTOR
304
REQUEST CREDIT REPORT FOR SPECIFIC DEBTOR
305
PARSE DATA FROM CREDIT REPORT RECEIVED AND DETERMINE OFFER SET
306
PRESENT OFFER SET TO DEBTOR
307
ENABLE DEBTOR TO PROVIDE DIFFERENT TERMS
308
OBTAIN PAYMENT INFORMATION/SCHEDULE PAYMENTS
309
PROCESS TRANSACTION INTERNALLY OR THROUGH TRUST ACCOUNT PARTNER
310
DISTRIBUTE FUNDS
311
POST ACCOUNT ENTRIES
312
GENERATE REPORTS
LOGIN BY DEBTOR
LOGIN BY DEBTOR
SETTLEMENT

FIG. 3A

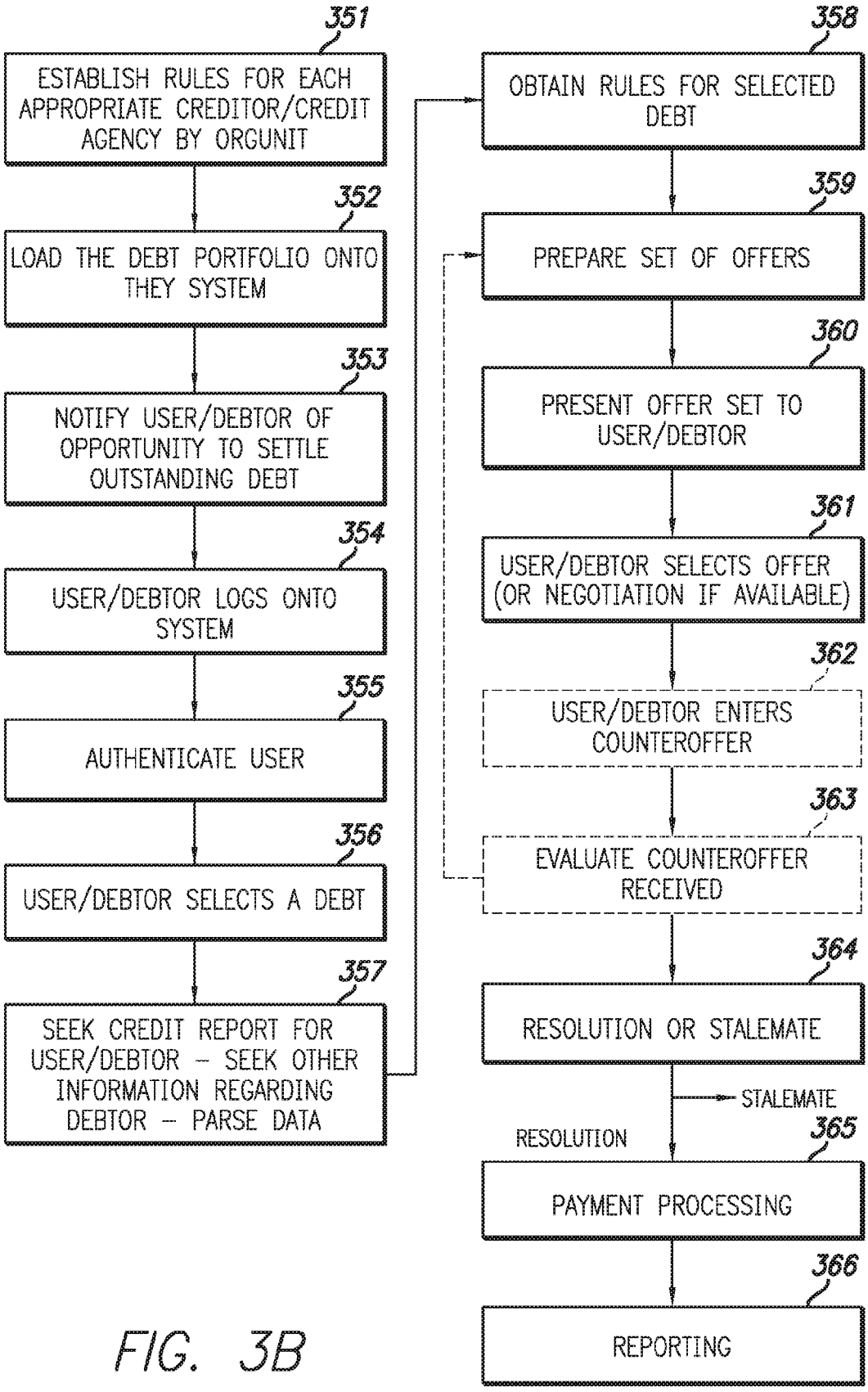

351
ESTABLISH RULES FOR EACH APPROPRIATE CREDITOR/CREDIT AGENCY BY ORGUNIT
352
LOAD THE DEBT PORTFOLIO ONTO THEY SYSTEM
353
NOTIFY USER/DEBTOR OF OPPORTUNITY TO SETTLE OUTSTANDING DEBT
354
USER/DEBTOR LOGS ONTO SYSTEM
355
AUTHENTICATE USER
356
USER/DEBTOR SELECTS A DEBT
357
SEEK CREDIT REPORT FOR USER/DEBTOR – SEEK OTHER INFORMATION REGARDING DEBTOR – PARSE DATA
358
OBTAIN RULES FOR SELECTED DEBT
359
PREPARE SET OF OFFERS
360
PRESENT OFFER SET TO USER/DEBTOR
361
USER/DEBTOR SELECTS OFFER (OR NEGOTIATION IF AVAILABLE)
362
USER/DEBTOR ENTERS COUNTEROFFER
363
EVALUATE COUNTEROFFER RECEIVED
364
RESOLUTION OR STALEMATE
STALEMATE
RESOLUTION
365
PAYMENT PROCESSING
366
REPORTING

FIG. 3B

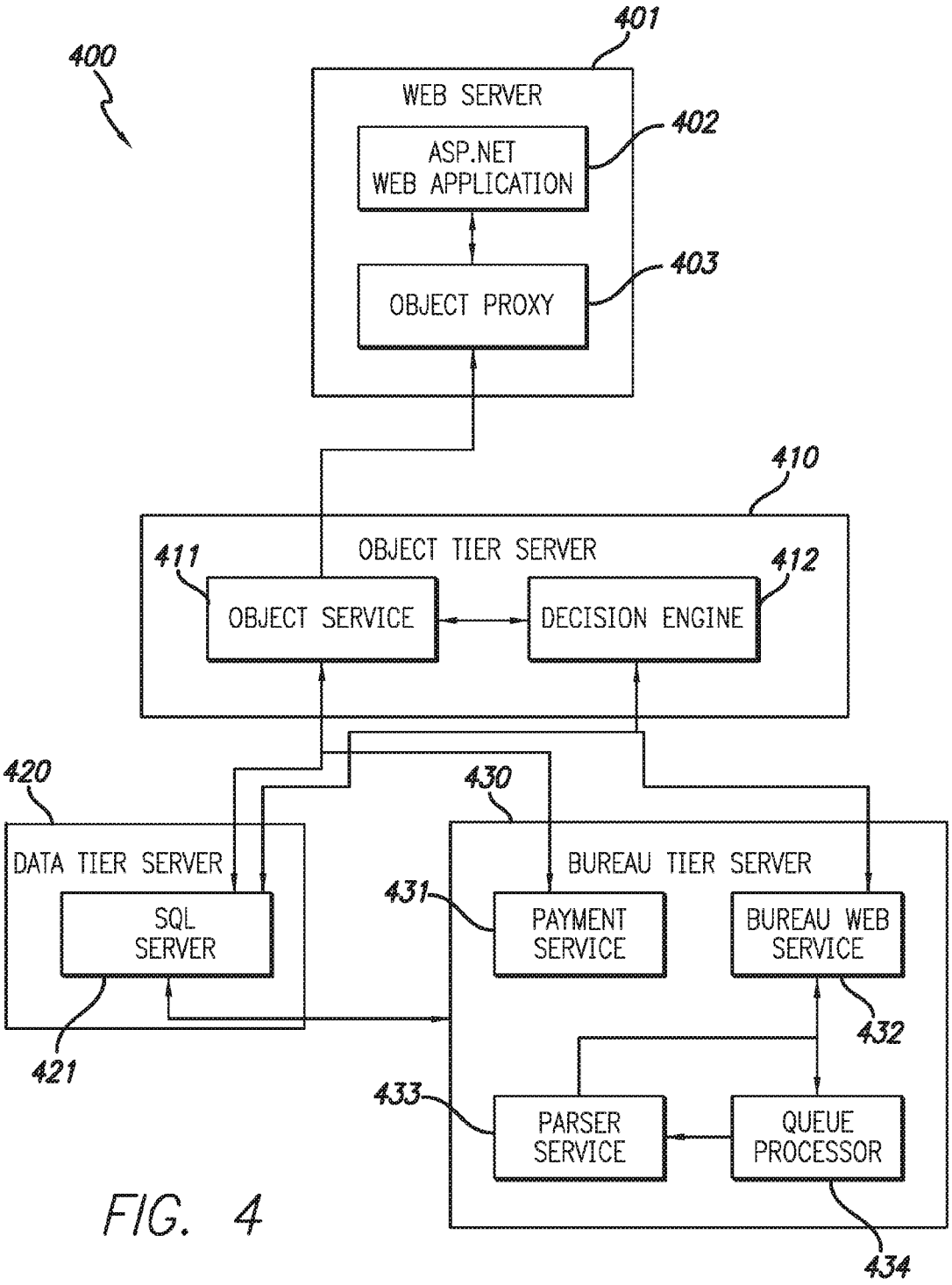

400
401
WEB SERVER
402
ASP.NET
WEB APPLICATION
403
OBJECT PROXY
410
OBJECT TIER SERVER
411
OBJECT SERVICE
412
DECISION ENGINE
420
DATA TIER SERVER
SQL
SERVER
421
430
BUREAU TIER SERVER
431
PAYMENT
SERVICE
BUREAU WEB
SERVICE
432
433
PARSER
SERVICE
QUEUE
PROCESSOR
434

FIG. 4

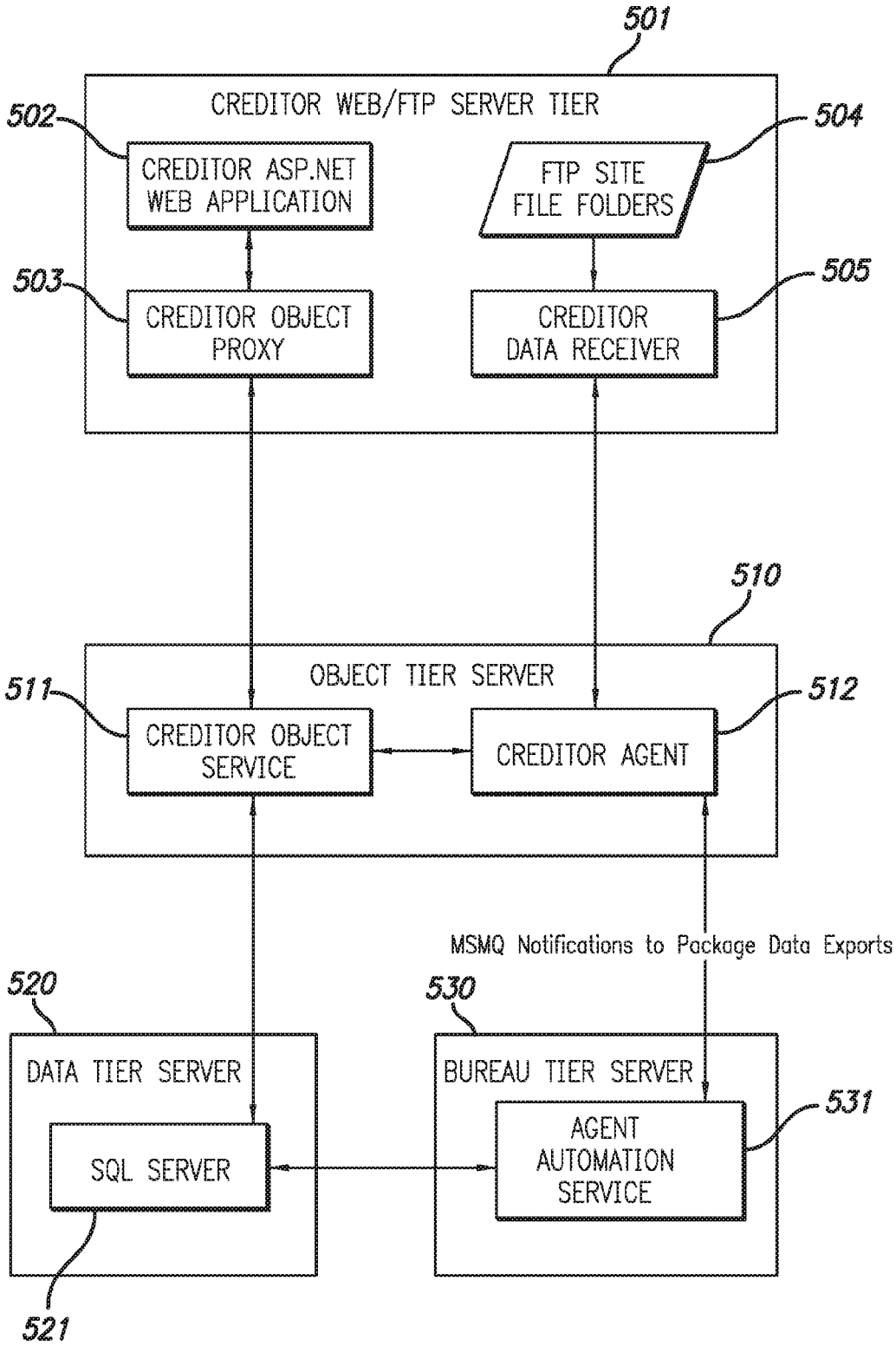

501
CREDITOR WEB/FTP SERVER TIER
502
CREDITOR ASP.NET WEB APPLICATION
504
FTP SITE FILE FOLDERS
503
CREDITOR OBJECT PROXY
505
CREDITOR DATA RECEIVER
510
OBJECT TIER SERVER
511
CREDITOR OBJECT SERVICE
512
CREDITOR AGENT
MSMQ Notifications to Package Data Exports
520
DATA TIER SERVER
SQL SERVER
521
530
BUREAU TIER SERVER
531
AGENT AUTOMATION SERVICE

FIG. 5

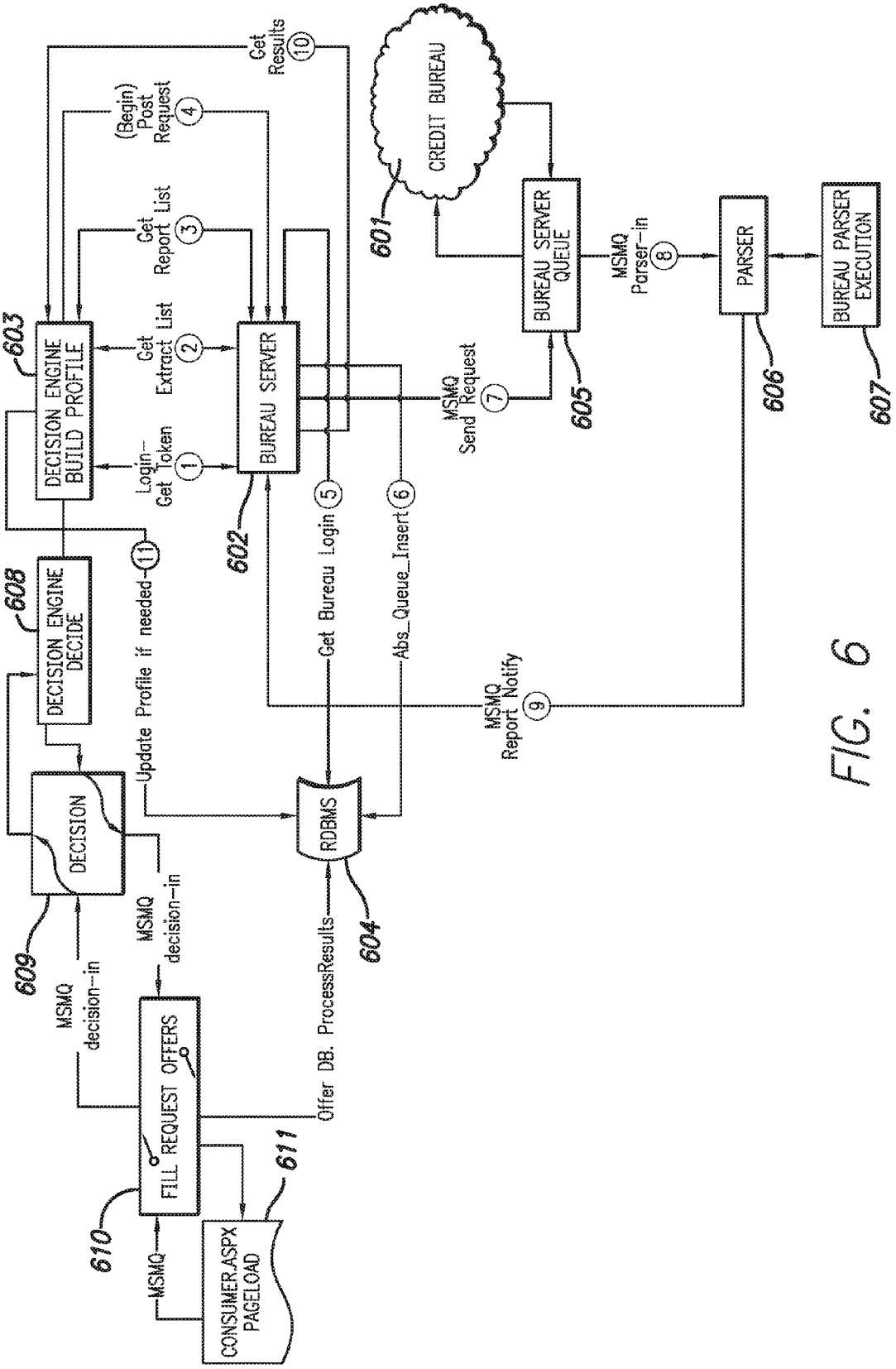

CREDIT BUREAU
601
BUREAU SERVER QUEUE
605
MSMQ Parser–in
8
PARSER
606
BUREAU PARSER EXECUTION
607
Get Results
10
(Begin) Post Request
4
Get Report List
3
Get Extract List
2
Login– Get Token
1
603
DECISION ENGINE BUILD PROFILE
BUREAU SERVER
602
MSMQ Send Request
7
Get Bureau Login
5
Abs_Queue_Insert
6
MSMQ Report Notify
9
608
DECISION ENGINE DECIDE
11
Update Profile if needed
DECISION
609
MSMQ decision–in
MSMQ decision–in
RDBMS
604
Offer DB. ProcessResults
FILL REQUEST OFFERS
610
MSMQ
CONSUMER.ASPX PAGELOAD
611

FIG. 6

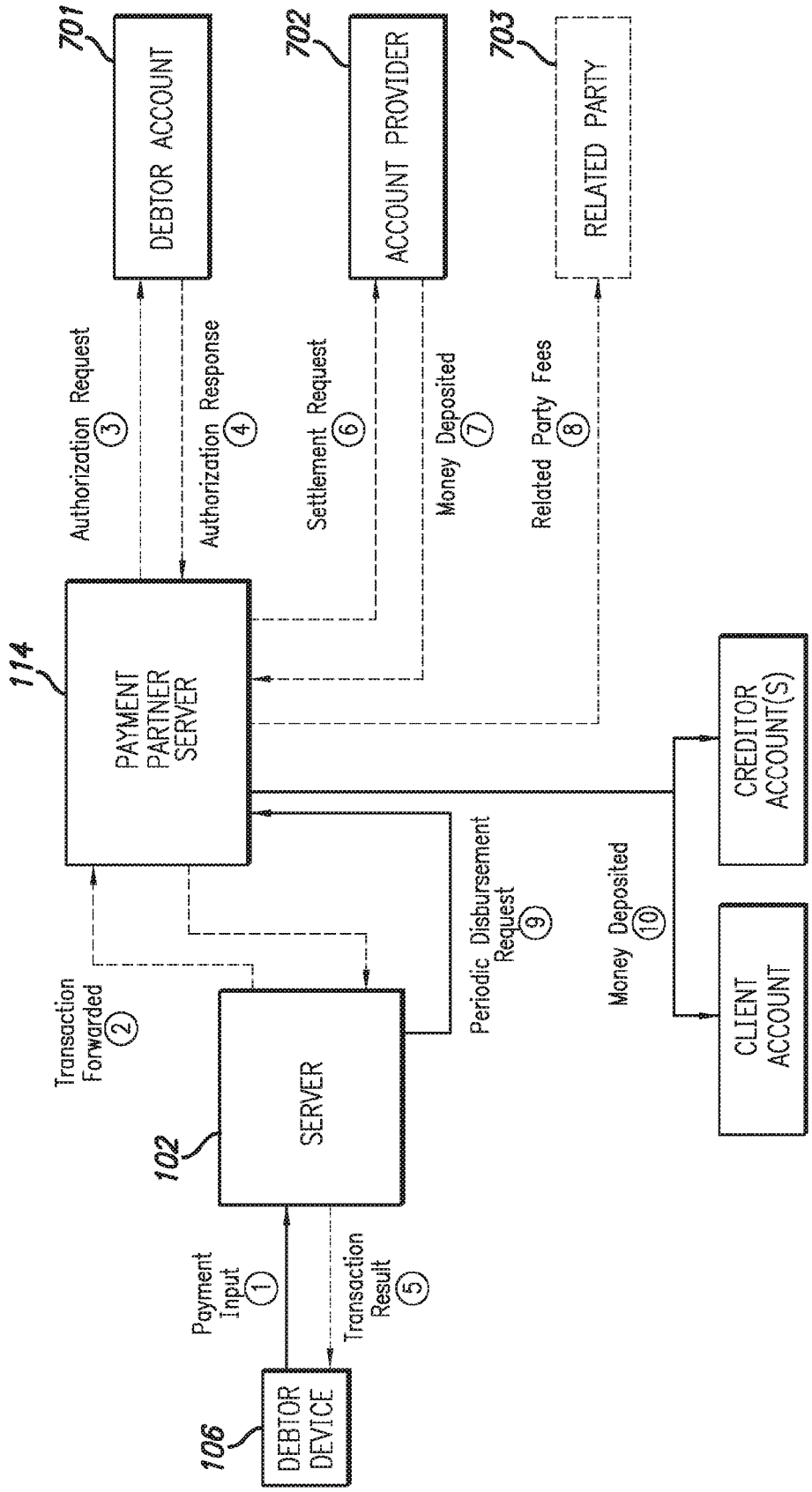

701
DEBTOR ACCOUNT
702
ACCOUNT PROVIDER
703
RELATED PARTY
Authorization Request
3
Authorization Response
4
Settlement Request
6
Money Deposited
7
Related Party Fees
8
114
PAYMENT PARTNER SERVER
CREDITOR ACCOUNT(S)
Transaction Forwarded
2
Periodic Disbursement Request
9
Money Deposited
10
CLIENT ACCOUNT
102
SERVER
Payment Input
1
Transaction Result
5
106
DEBTOR DEVICE

FIG. 7

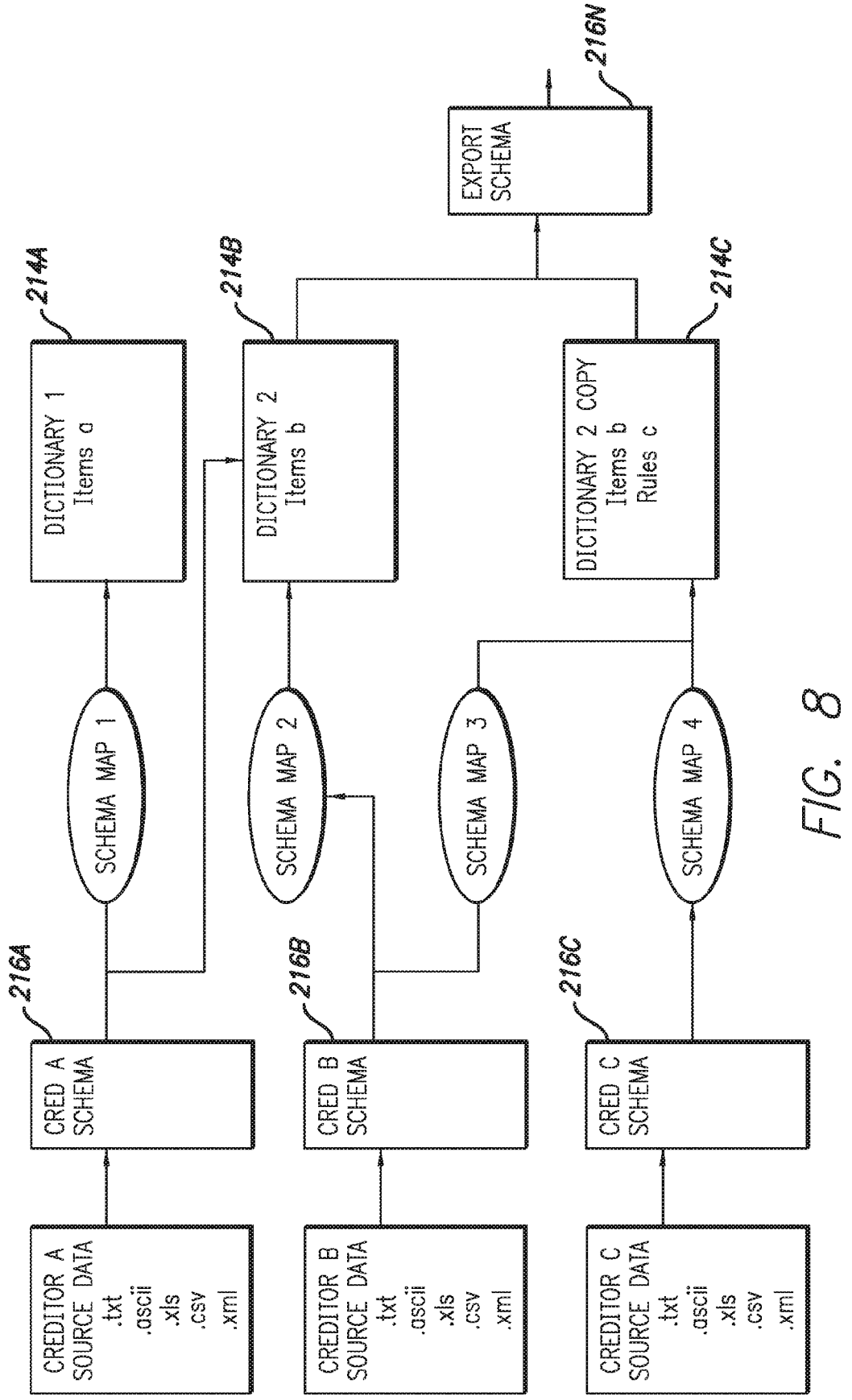

CREDITOR A SOURCE DATA
.txt
.ascii
.xls
.csv
.xml
CRED A SCHEMA
216A
SCHEMA MAP 1
DICTIONARY 1
Items a
214A
CREDITOR B SOURCE DATA
.txt
.ascii
.xls
.csv
.xml
CRED B SCHEMA
216B
SCHEMA MAP 2
DICTIONARY 2
Items b
214B
SCHEMA MAP 3
CREDITOR C SOURCE DATA
.txt
.ascii
.xls
.csv
.xml
CRED C SCHEMA
216C
SCHEMA MAP 4
DICTIONARY 2 COPY
Items b
Rules c
214C
EXPORT SCHEMA
216N

FIG. 8

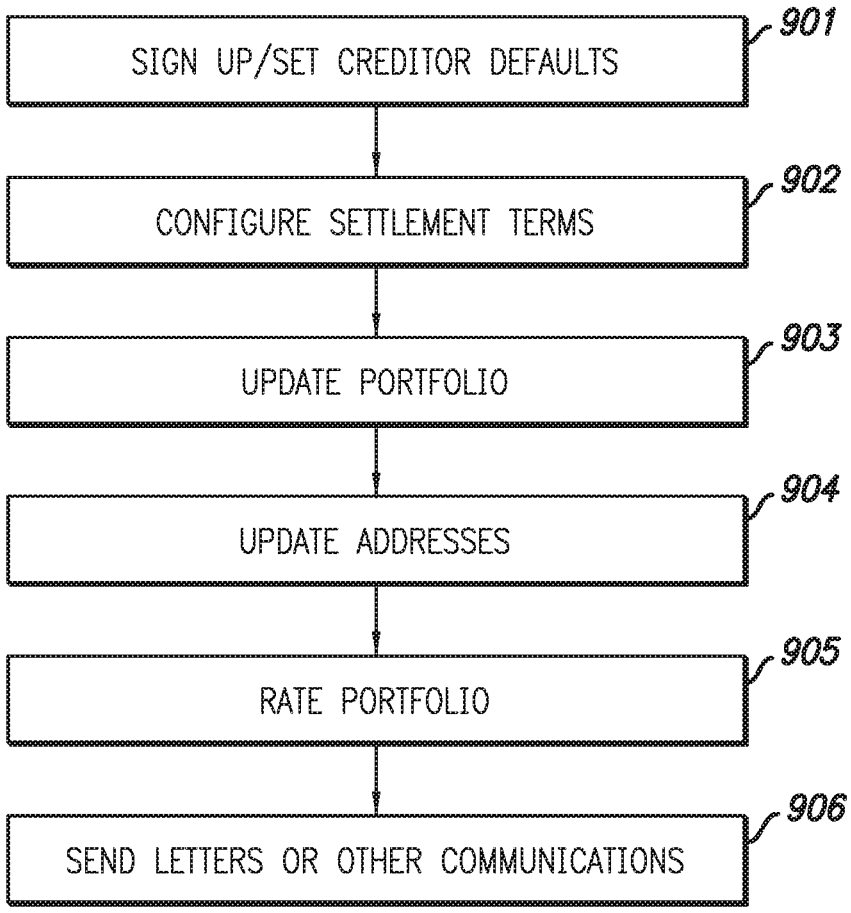

SIGN UP/SET CREDITOR DEFAULTS
901
CONFIGURE SETTLEMENT TERMS
902
UPDATE PORTFOLIO
903
UPDATE ADDRESSES
904
RATE PORTFOLIO
905
SEND LETTERS OR OTHER COMMUNICATIONS
906

FIG. 9

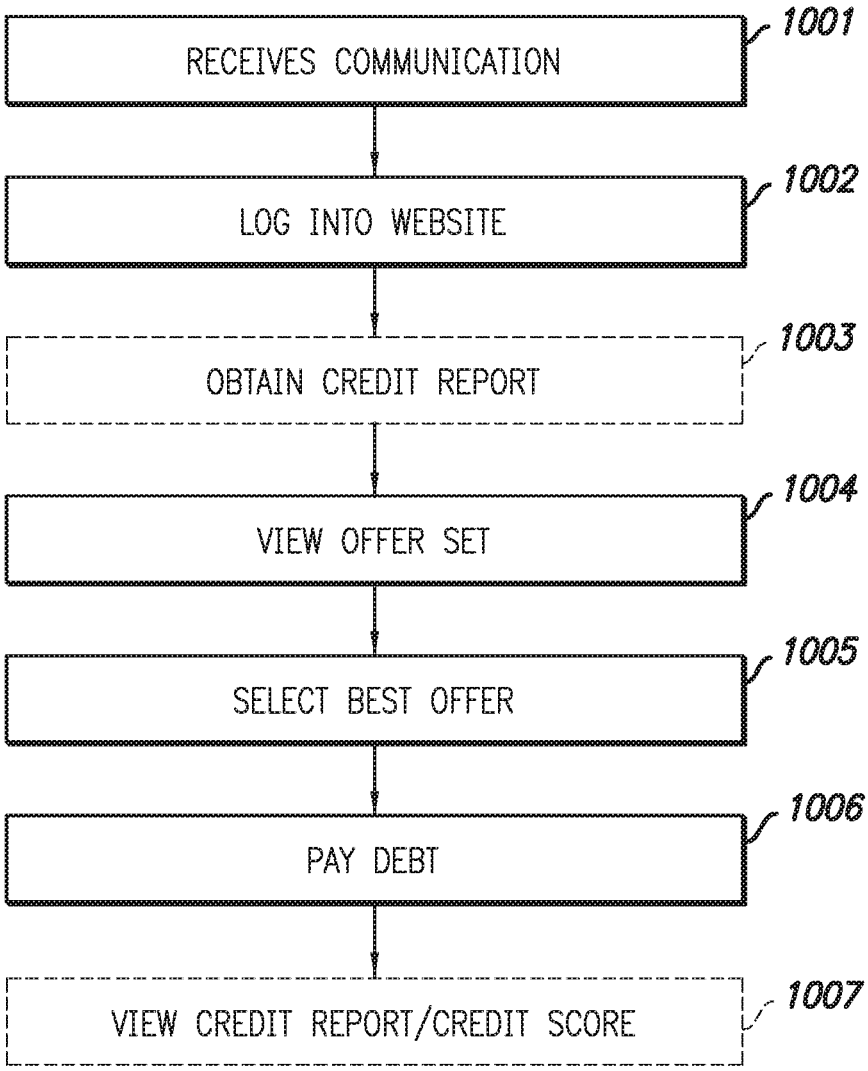

RECEIVES COMMUNICATION
1001
LOG INTO WEBSITE
1002
OBTAIN CREDIT REPORT
1003
VIEW OFFER SET
1004
SELECT BEST OFFER
1005
PAY DEBT
1006
VIEW CREDIT REPORT/CREDIT SCORE
1007

FIG. 10

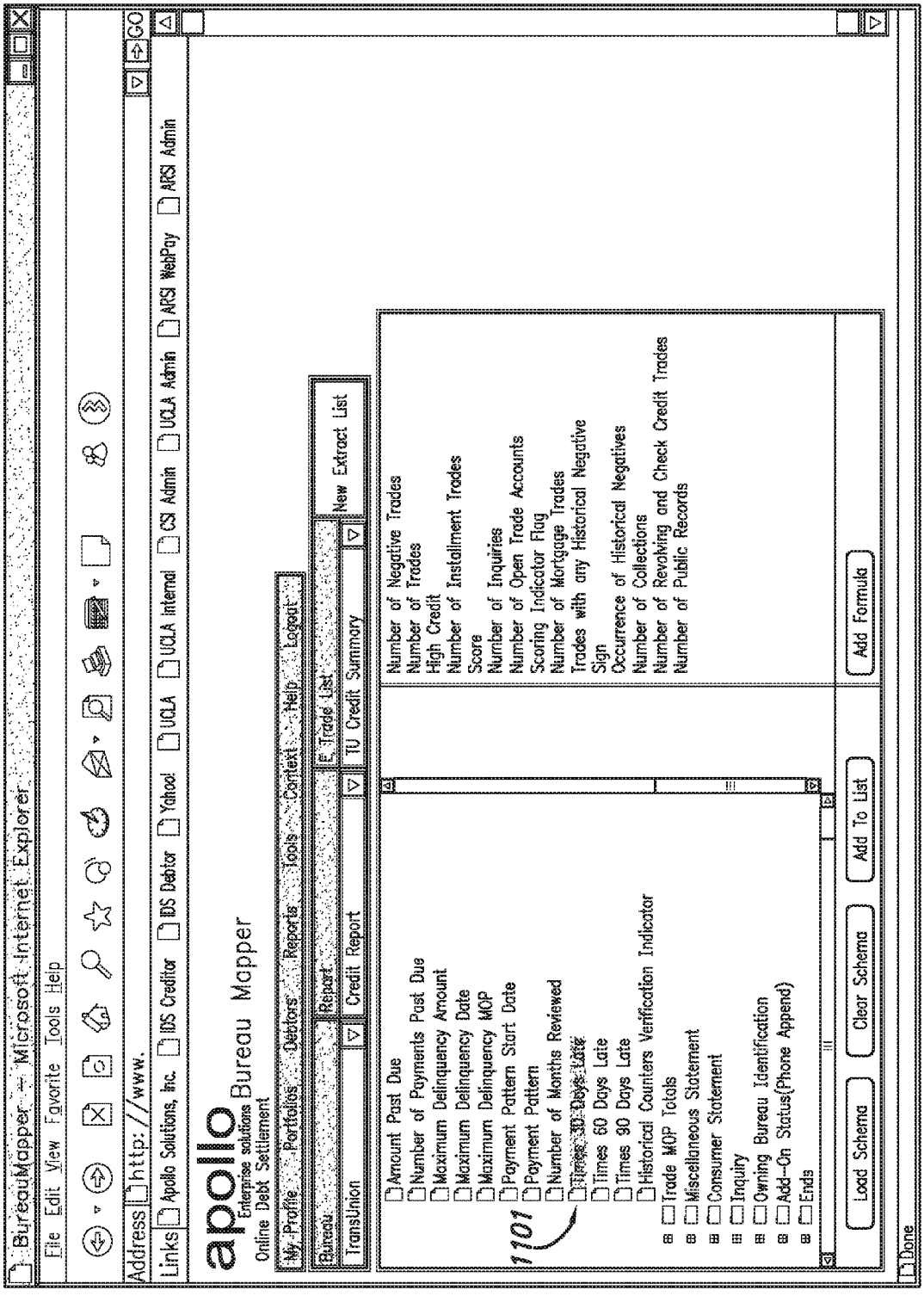

BureauMapper - Microsoft Internet Explorer
File Edit View Favorite Tools Help
Address http://www.
Links Apollo Solutions, Inc. IDS Creditor IDS Debtor Yahoo! UCLA UCLA Internal CSI Admin UCLA Admin ARSI WebPay ARSI Admin
apollo Enterprise solutions Online Debt Settlement
Bureau Mapper
My Profile Portfolios Debtors Reports Tools Context Help Logout
Bureau
TransUnion
Report
Credit Report
E_Trade_List
TU Credit Summary
New Extract List
Amount Past Due
Number of Payments Past Due
Maximum Delinquency Amount
Maximum Delinquency Date
Maximum Delinquency MOP
Payment Pattern Start Date
Payment Pattern
Number of Months Reviewed
Times 30 Days Late
Times 60 Days Late
Times 90 Days Late
Historical Counters Verification Indicator
Trade MOP Totals
Miscellaneous Statement
Consumer Statement
Inquiry
Owning Bureau Identification
Add-On Status(Phone Append)
Ends
1101
Number of Negative Trades
Number of Trades
High Credit
Number of Installment Trades
Score
Number of Inquiries
Number of Open Trade Accounts
Scoring Indicator Flag
Number of Mortgage Trades
Trades with any Historical Negative
Sign
Occurrence of Historical Negatives
Number of Collections
Number of Revolving and Check Credit Trades
Number of Public Records
Load Schema
Clear Schema
Add To List
Add Formula
Done

FIG. 11

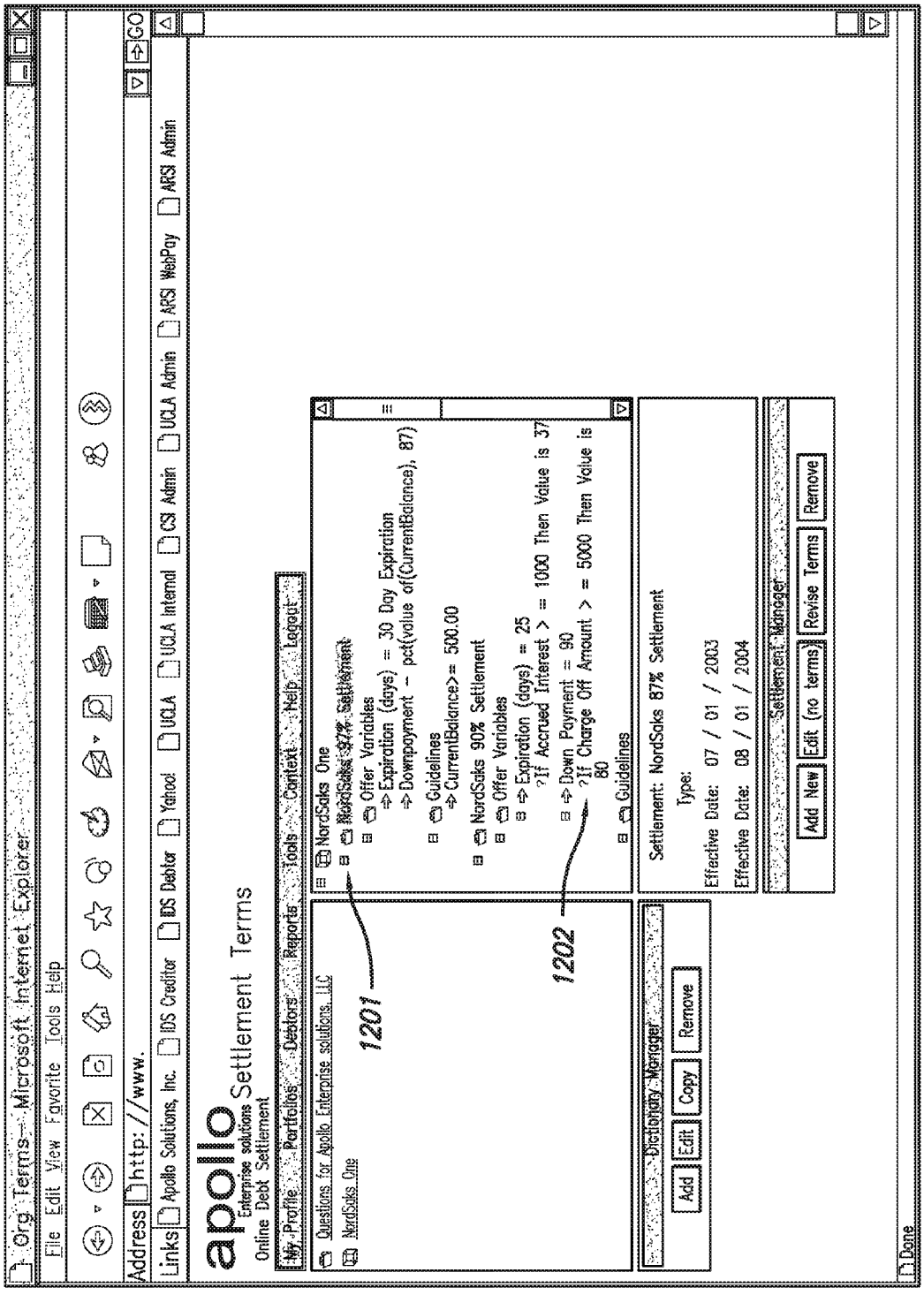

Org Terms - Microsoft Internet Explorer
File Edit View Favorite Tools Help
Address http://www.
Links Apollo Solutions, Inc. IDS Creditor IDS Debtor Yahoo! UCLA UCLA Internal CSI Admin UCLA Admin ARSI WebPay ARSI Admin
apollo Enterprise solutions
Online Debt Settlement
Settlement Terms
My Profile Portfolios Debtors Reports Tools Context Help Logout
Questions for Apollo Enterprise solutions, LLC
NordSaks One
1201
NordSaks One
Offer Variables
=> Expiration (days) = 30 Day Expiration
=> Downpayment = pct(value of(CurrentBalance), 87)
Guidelines
=> CurrentBalance>= 500.00
NordSaks 90% Settlement
Offer Variables
=> Expiration (days) = 25
?If Accrued Interest > = 1000 Then Value is 37
=> Down Payment = 90
?If Charge Off Amount > = 5000 Then Value is 80
Guidelines
1202
Dictionary Manager
Add Edit Copy Remove
Settlement: NordSaks 87% Settlement
Type:
Effective Date: 07 / 01 / 2003
Effective Date: 08 / 01 / 2004
Settlement Manager
Add New Edit (no terms) Revise Terms Remove
Done

FIG. 12

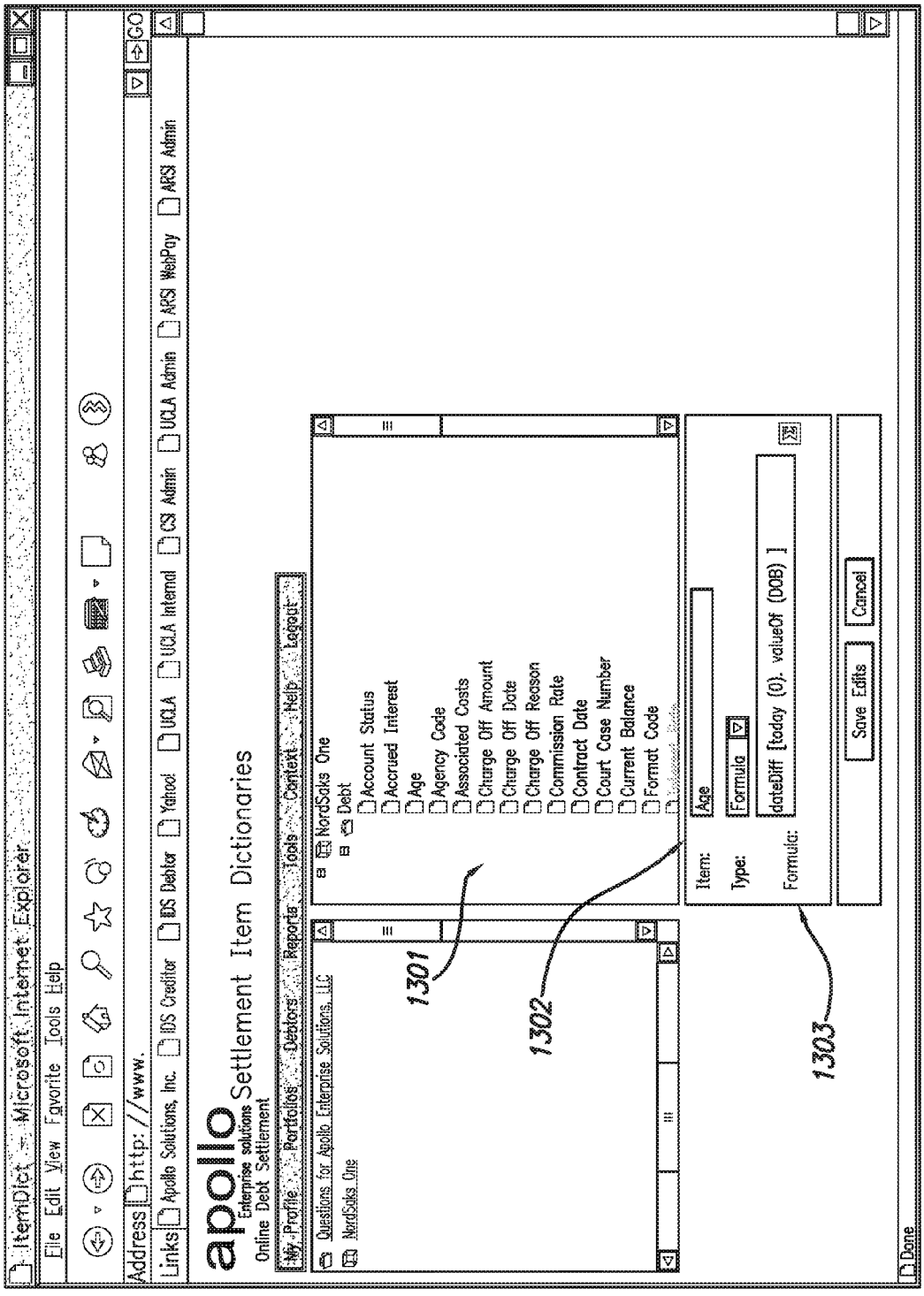

ItemDict - Microsoft Internet Explorer
File Edit View Favorite Tools Help
Address http://www.
Links Apollo Solutions, Inc. IDS Creditor IDS Debtor Yahoo! UCLA UCLA Internal CSI Admin UCLA Admin ARSI WebPay ARSI Admin
apollo Enterprise solutions Online Debt Settlement
Settlement Item Dictionaries
My Profile Portfolios Debtors Reports Tools Context Help Logout
Questions for Apollo Enterprise Solutions, LLC
NordSoks One
NordSoks One
Debt
Account Status
Accrued Interest
Age
Agency Code
Associated Costs
Charge Off Amount
Charge Off Date
Charge Off Reason
Commission Rate
Contract Date
Court Case Number
Current Balance
Format Code
Item: Age
Type: Formula
Formula: dateDiff [today (0), valueOf (DOB)]
Save Edits
Cancel
Done
1301
1302
1303

FIG. 13

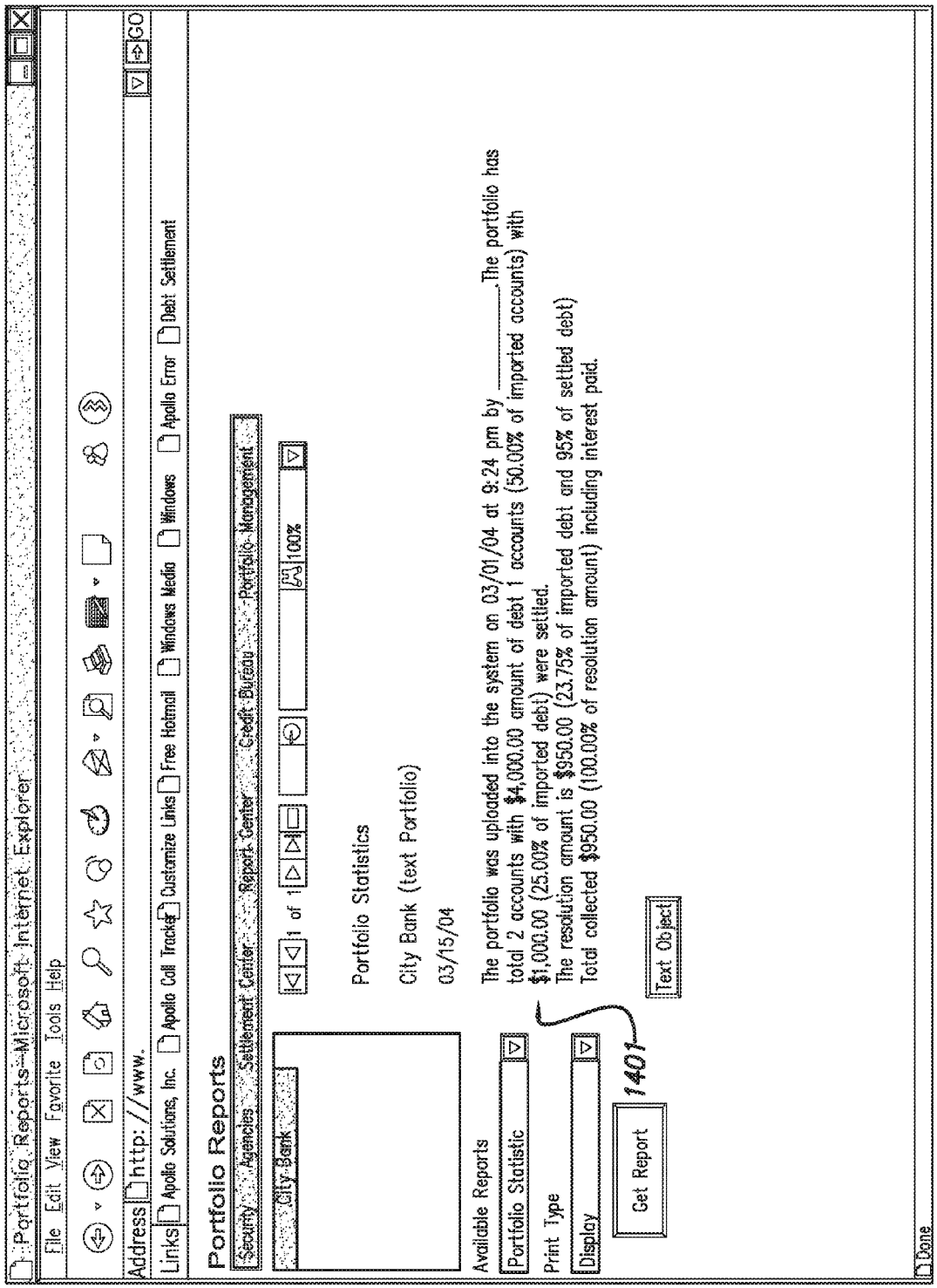

Portfolio Reports-Microsoft Internet Explorer
File Edit View Favorite Tools Help
Address http://www.
Links Apollo Solutions, Inc. Apollo Call Tracker Customize Links Free Hotmail Windows Media Windows Apollo Error Debt Settlement
Portfolio Reports
Security Agencies Settlement Center Report Center Credit Bureau Portfolio Management
City Bank
Portfolio Statistics
City Bank (text Portfolio)
03/15/04
1 of 1
100%
Available Reports
Portfolio Statistic
Print Type
Display
Get Report
1401
Text Object
The portfolio was uploaded into the system on 03/01/04 at 9:24 pm by _____. The portfolio has total 2 accounts with $4,000.00 amount of debt 1 accounts (50.00% of imported accounts) with $1,000.00 (25.00% of imported debt) were settled.
The resolution amount is $950.00 (23.75% of imported debt and 95% of settled debt)
Total collected $950.00 (100.00% of resolution amount) including interest paid.
Done

FIG. 14

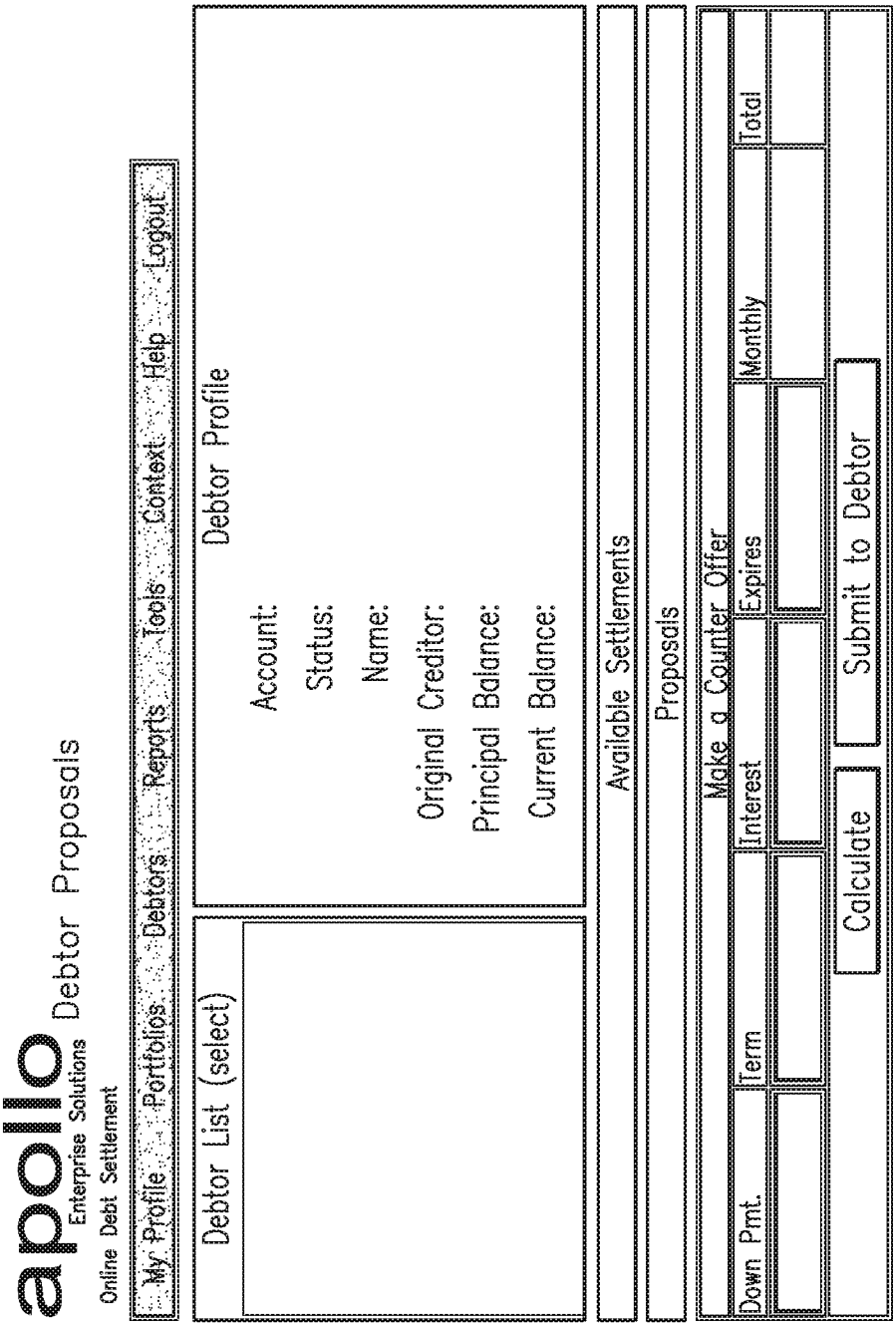

apollo
Enterprise Solutions
Debtor Proposals
Online Debt Settlement
My Profile
Portfolios
Debtors
Reports
Tools
Context
Help
Logout
Debtor List (select)
Debtor Profile
Account:
Status:
Name:
Original Creditor:
Principal Balance:
Current Balance:
Available Settlements
Proposals
Make a Counter Offer
Down Pmt.
Term
Interest
Expires
Monthly
Total
Calculate
Submit to Debtor

FIG. 15

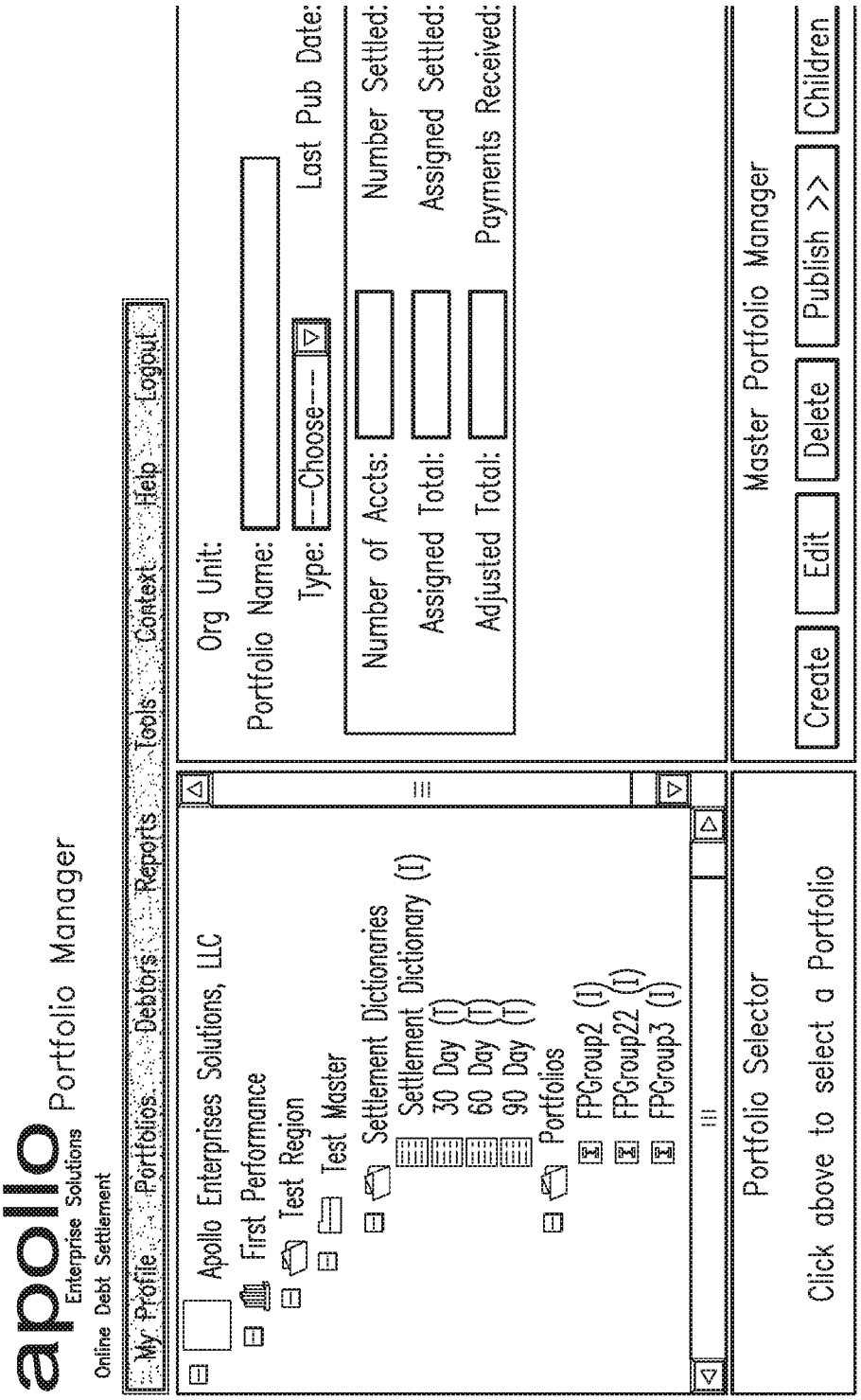

apollo
Enterprise Solutions
Portfolio Manager
Online Debt Settlement
My Profile
Portfolios
Debtors
Reports
Tools
Context
Help
Logout
Apollo Enterprises Solutions, LLC
First Performance
Test Region
Test Master
Settlement Dictionaries
Settlement Dictionary (1)
30 Day (1)
60 Day (1)
90 Day (1)
Portfolios
FPGroup2 (1)
FPGroup22 (1)
FPGroup3 (1)
Portfolio Selector
Click above to select a Portfolio
Org Unit:
Portfolio Name:
Type: ---Choose---
Last Pub Date:
Number of Accts:
Number Settled:
Assigned Total:
Assigned Settled:
Adjusted Total:
Payments Received:
Master Portfolio Manager
Create
Edit
Delete
Publish >>
Children

FIG. 16

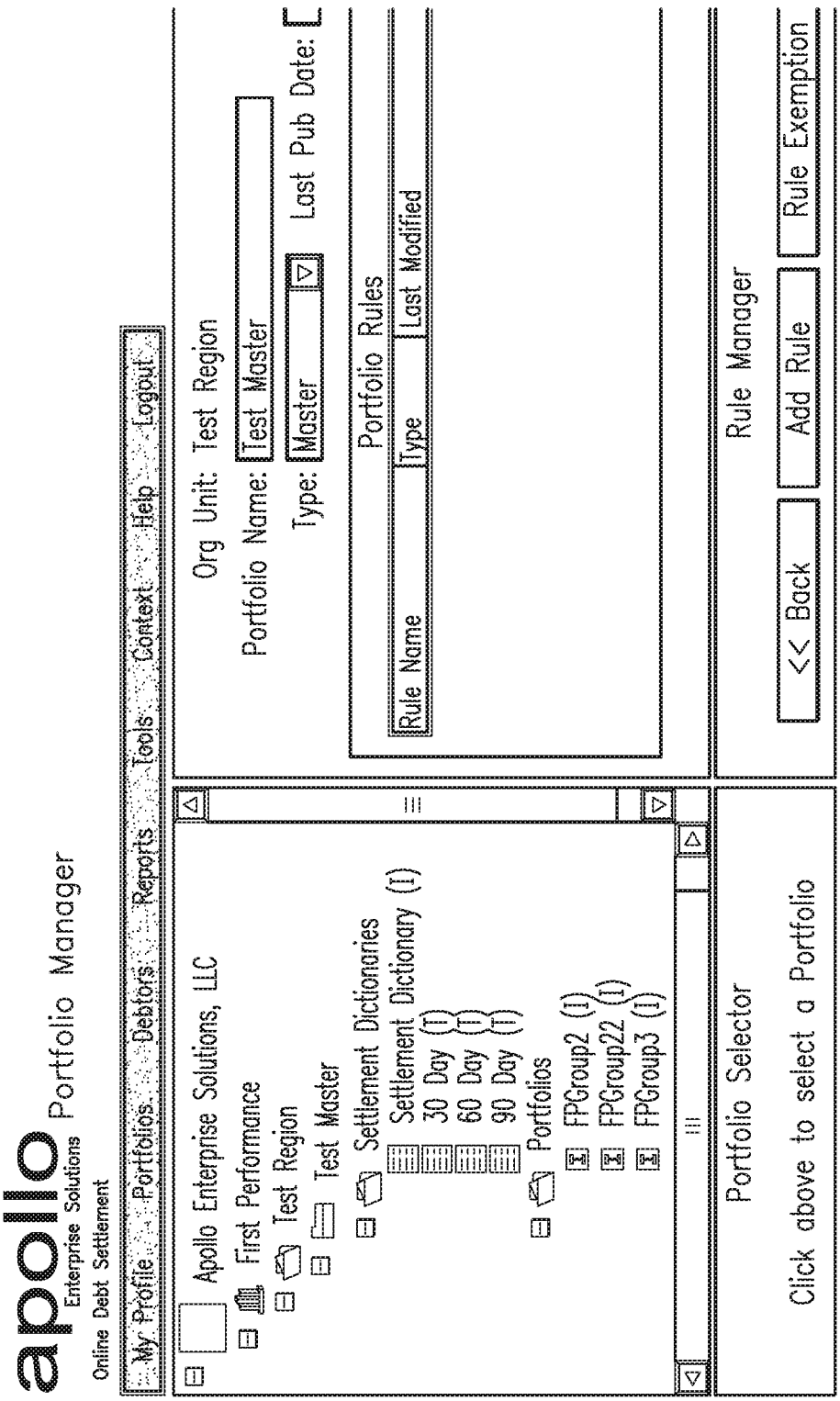

apollo
Enterprise Solutions
Online Debt Settlement
Portfolio Manager
My Profile
Portfolios
Debtors
Reports
Tools
Context
Help
Logout
Apollo Enterprise Solutions, LLC
First Performance
Test Region
Test Master
Settlement Dictionaries
Settlement Dictionary (1)
30 Day (1)
60 Day (1)
90 Day (1)
Portfolios
FPGroup2 (1)
FPGroup22 (1)
FPGroup3 (1)
Org Unit: Test Region
Portfolio Name: Test Master
Type: Master
Last Pub Date:
Portfolio Rules
Rule Name
Type
Last Modified
Portfolio Selector
Click above to select a Portfolio
Rule Manager
<< Back
Add Rule
Rule Exemption

FIG. 17

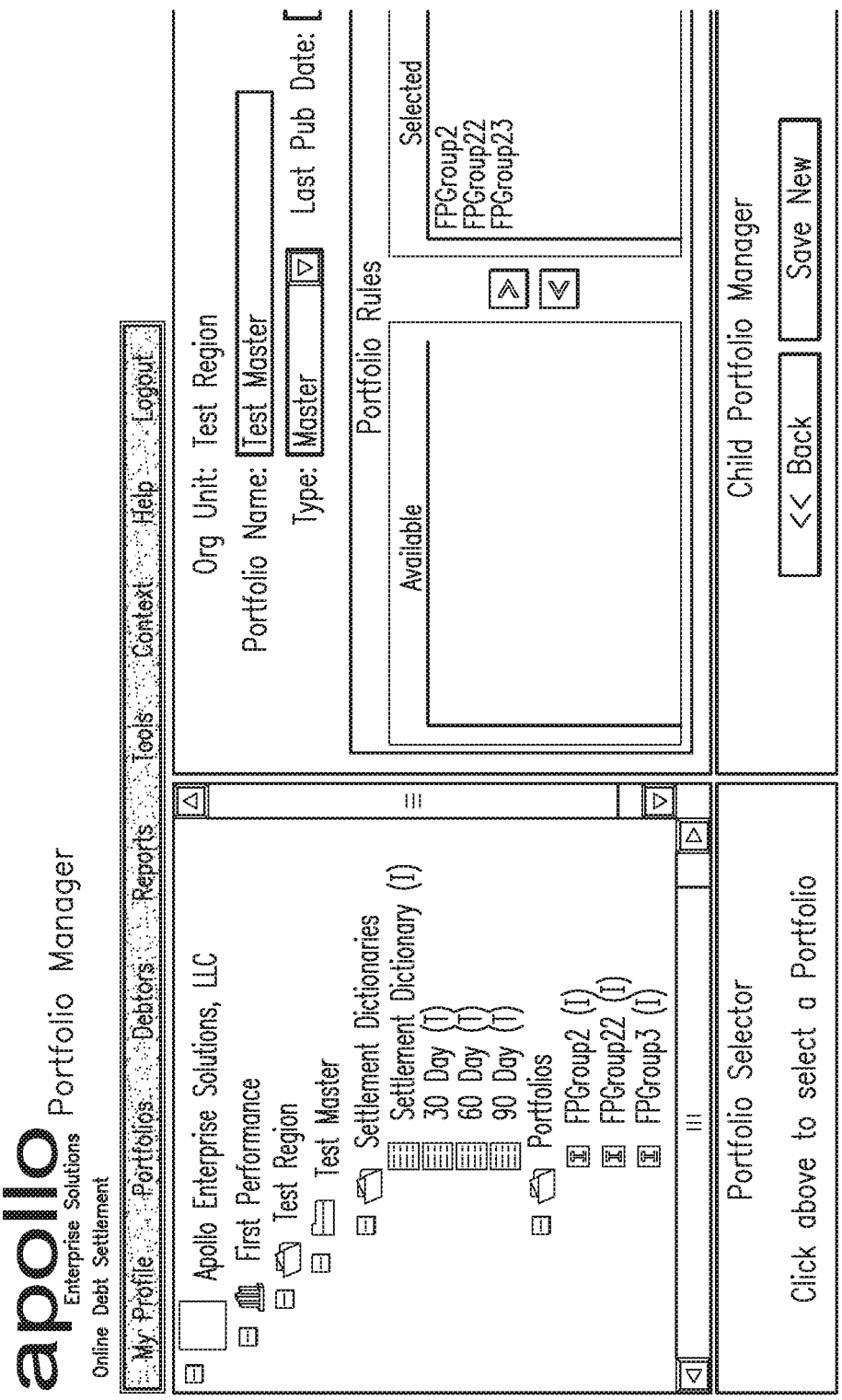

apollo
Enterprise Solutions
Portfolio Manager
Online Debt Settlement
My Profile
Portfolios
Debtors
Reports
Tools
Context
Help
Logout
Apollo Enterprise Solutions, LLC
First Performance
Test Region
Test Master
Settlement Dictionaries
Settlement Dictionary (I)
30 Day (I)
60 Day (I)
90 Day (I)
Portfolios
FPGroup2 (I)
FPGroup22 (I)
FPGroup3 (I)
Org Unit: Test Region
Portfolio Name: Test Master
Type: Master
Last Pub Date:
Portfolio Rules
Available
Selected
FPGroup2
FPGroup22
FPGroup23
Portfolio Selector
Click above to select a Portfolio
Child Portfolio Manager
<< Back
Save New

FIG. 18

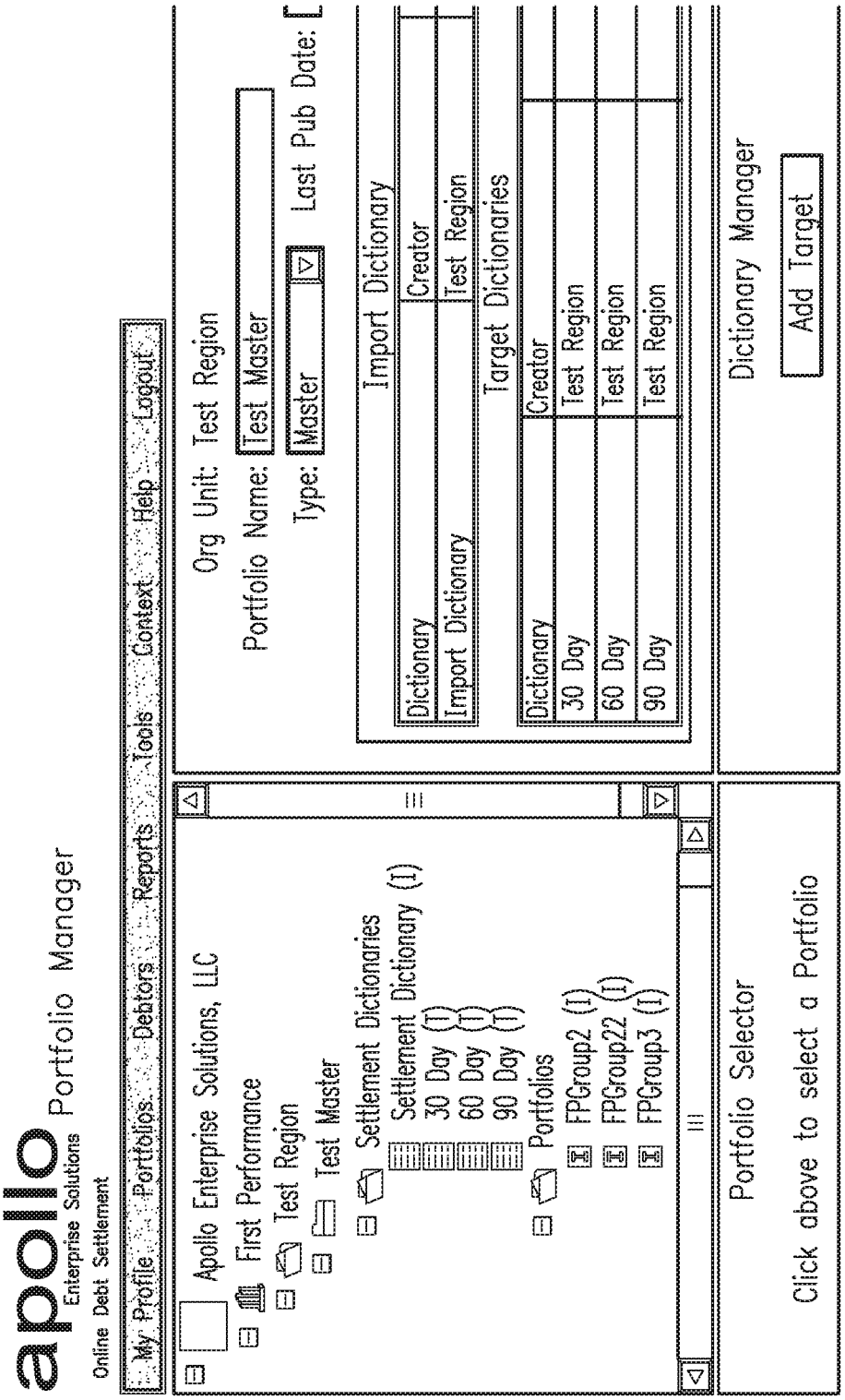

apollo
Enterprise Solutions
Online Debt Settlement
Portfolio Manager
My Profile
Portfolios
Debtors
Reports
Tools
Context
Help
Logout
Apollo Enterprise Solutions, LLC
First Performance
Test Region
Test Master
Settlement Dictionaries
Settlement Dictionary (I)
30 Day (I)
60 Day (I)
90 Day (I)
Portfolios
FPGroup2 (I)
FPGroup22 (I)
FPGroup3 (I)
Portfolio Selector
Click above to select a Portfolio
Org Unit: Test Region
Portfolio Name: Test Master
Type: Master
Last Pub Date:
Import Dictionary
Dictionary
Creator
Import Dictionary
Test Region
Target Dictionaries
Dictionary
Creator
30 Day
Test Region
60 Day
Test Region
90 Day
Test Region
Dictionary Manager
Add Target

FIG. 19

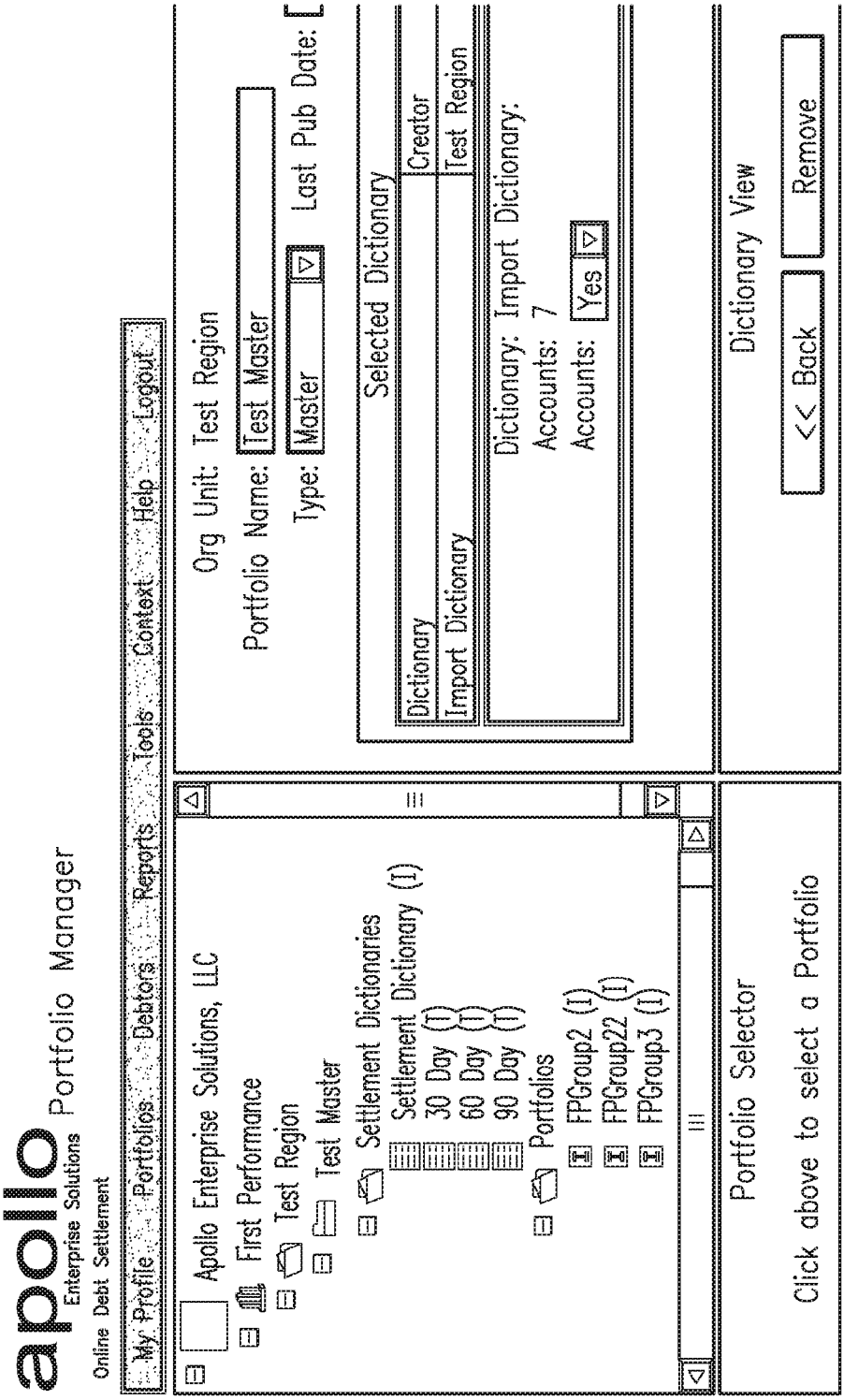

apollo
Enterprise Solutions
Online Debt Settlement
Portfolio Manager
My Profile
Portfolios
Debtors
Reports
Tools
Context
Help
Logout
Apollo Enterprise Solutions, LLC
First Performance
Test Region
Test Master
Settlement Dictionaries
Settlement Dictionary (1)
30 Day (1)
60 Day (1)
90 Day (1)
Portfolios
FPGroup2 (1)
FPGroup22 (1)
FPGroup3 (1)
Org Unit: Test Region
Portfolio Name: Test Master
Type: Master
Last Pub Date:
Selected Dictionary
Dictionary
Creator
Import Dictionary
Test Region
Dictionary: Import Dictionary:
Accounts: 7
Accounts: Yes
Portfolio Selector
Click above to select a Portfolio
Dictionary View
<< Back
Remove

FIG. 20

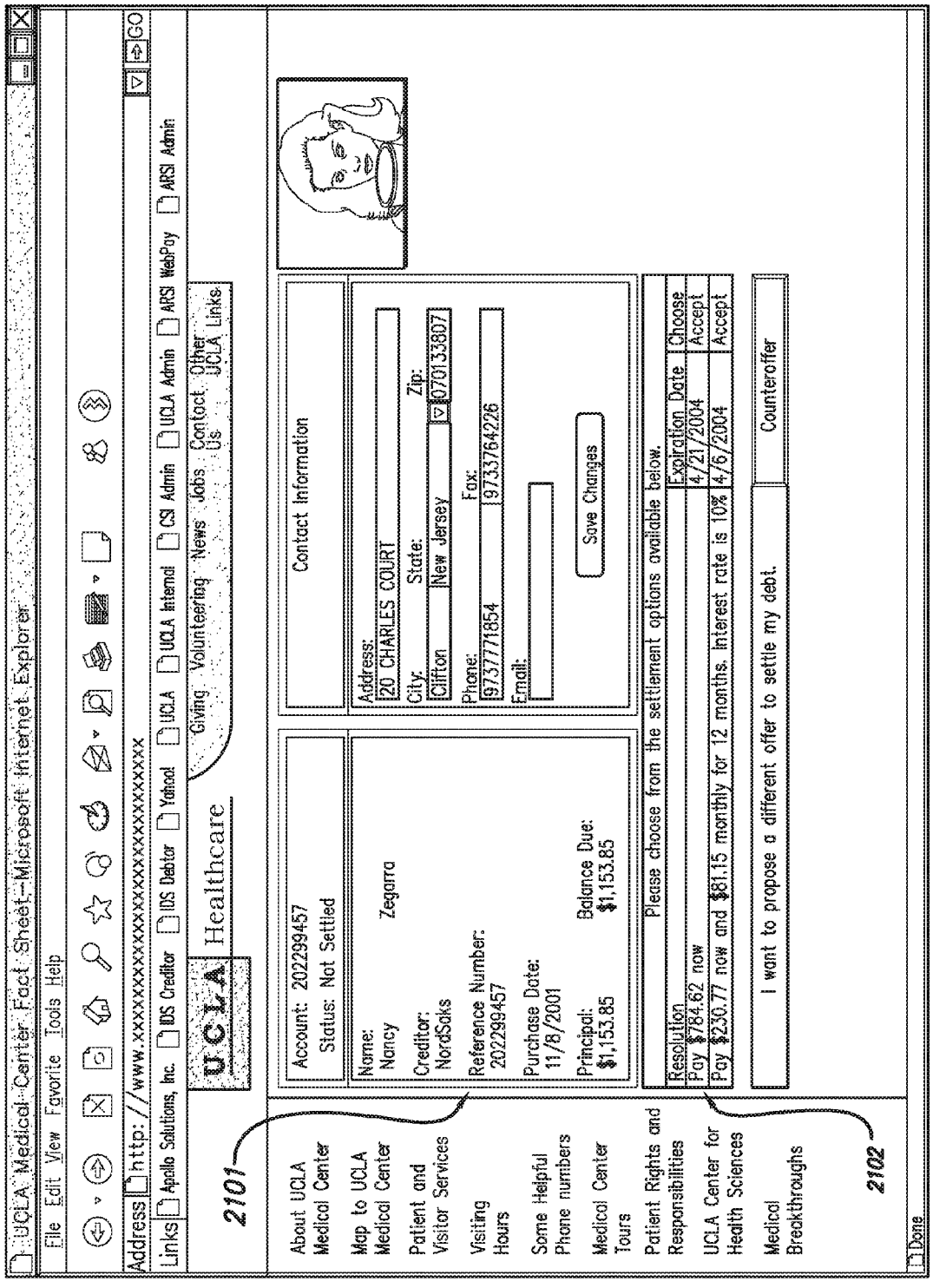

UCLA Medical Center Fact Sheet--Microsoft Internet Explorer
File Edit View Favorite Tools Help
Address http://www.xxxxxxxxxxxxxxxxxxxxxxxxxx
Links Apollo Solutions, Inc. IDS Creditor IDS Debtor Yahoo! UCLA UCLA Internal CSI Admin UCLA Admin ARSI WebPay ARSI Admin
UCLA Healthcare
Giving Volunteering News Jobs Contact Us Other UCLA Links
2101
About UCLA Medical Center
Map to UCLA Medical Center
Patient and Visitor Services
Visiting Hours
Some Helpful Phone numbers
Medical Center Tours
Patient Rights and Responsibilities
UCLA Center for Health Sciences
Medical Breakthroughs
2102
Account: 202299457
Status: Not Settled
Name: Nancy Zegarra
Creditor: NordSaks
Reference Number: 202299457
Purchase Date: 11/8/2001
Principal: $1,153.85
Balance Due: $1,153.85
Contact Information
Address: 20 CHARLES COURT
City: Clifton
State: New Jersey
Zip: 07013807
Phone: 9737771854
Fax: 9733764226
Email:
Save Changes
Please choose from the settlement options available below.
Resolution
Expiration Date
Choose
Pay $764.62 now
4/21/2004
Accept
Pay $230.77 now and $81.15 monthly for 12 months. Interest rate is 10%
4/6/2004
Accept
I want to propose a different offer to settle my debt.
Counteroffer
Done

FIG. 21

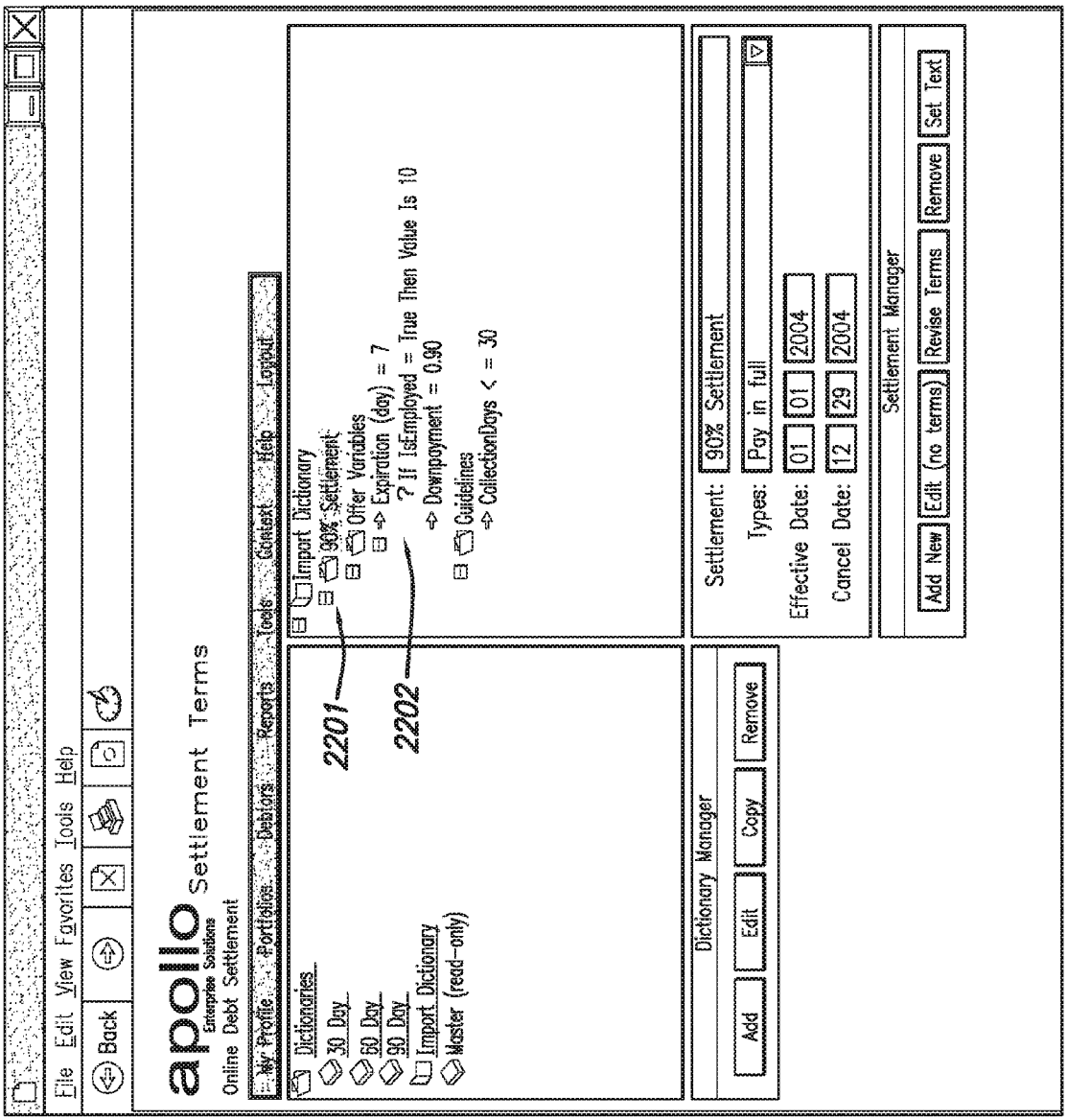

File Edit View Favorites Tools Help
Back
apollo
Enterprise Solutions
Settlement Terms
Online Debt Settlement
My Profile
Portfolios
Debtors
Reports
Tools
Content
Help
Logout
Dictionaries
30 Day
60 Day
90 Day
Import Dictionary
Master (read-only)
2201
2202
Import Dictionary
90% Settlement
Offer Variables
Expiration (day) = 7
? If IsEmployed = True Then Value Is 10
Downpayment = 0.90
Guidelines
CollectionDays < = 30
Dictionary Manager
Add
Edit
Copy
Remove
Settlement:
90% Settlement
Types:
Pay in full
Effective Date:
01
01
2004
Cancel Date:
12
29
2004
Settlement Manager
Add New
Edit (no terms)
Revise Terms
Remove
Set Text

FIG. 22

ENHANCED TRANSACTION RESOLUTION TECHNIQUES

[0001] This application is a continuation of co-pending U.S. patent application Ser. No. 12/928,208, entitled "Enhanced Transaction Resolution Techniques," filed Dec. 6, 2010, which is a continuation of co-pending U.S. patent application Ser. No. 11/372,588, entitled "Enhanced Transaction Resolution Techniques," filed Mar. 9, 2006, which is a continuation-in-part of co-pending U.S. patent application Ser. No. 11/256,405, entitled "System for Resolving Transactions," Ser. No. 11/256,406, entitled "Method for Resolving Transactions", and Ser. No. 11/256,404, entitled "System and Method for Compiling Information for Resolving Transactions," all filed Oct. 19, 2005, which each claim the benefit of U.S. Provisional Patent Application 60/620,131, "Debt Settlement Computer System and Method," filed Oct. 19, 2004, all of which are incorporated herein by reference.

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BACKGROUND OF THE INVENTION

[0003] Field of the Invention

[0004] The present invention relates in general to systems and methods for resolving transactions, and more specifically to systems and methods for resolving transactions using a computer network.

[0005] Description of the Related Art

[0006] Certain types of negotiations, such as financial transactions, entail complex, time consuming, and frequently expensive methods directed toward gathering information and facilitating resolution of the transaction. For example, debt resolution tends to require investigating the ability of the debtor to satisfy the debt, the terms under which the debt may be settled to the satisfaction of the creditor, and collection of the debt by typically telephoning or otherwise personally contacting the debtor and facilitating the resolution of the debt. Seeking and obtaining charitable contributions can entail similar techniques, such as gathering information and assessing a contributor's or potential contributor's desire to pay based on various factors, such as prior contributions to the present organization, contributions to past organizations, and so forth, if such information is even available at all. Several other transaction resolution scenarios exist, including but not limited to resolving insurance claims, resolving lawsuits, mediations, or arbitrations, and even disposing of goods and services.

[0007] Complexities arise when certain restrictions are put in place, such as an inability for one party to an existing or potential transaction to contact the other, either by business convention or simply a lack of information about the other party.

[0008] One transaction resolution scenario involves the field of insurance claim settlements. Again, resolution of an insurance claim requires investigation or projection into the amount the claimant is willing to accept, the amount the insurer is willing to offer, and a mechanism for getting the insurer representative and the claimant to resolve the transaction. Typically the insurer's representative and the claimant and/or her representative meet face to face or by telephone to negotiate and settle on a satisfactory sum, based on a variety of factors including but not limited to the severity of the harm, the financial position of the claimant, the cost of financing the settlement, and other relevant factors.

[0009] One of the most effective methods of transaction resolution, or transaction facilitation, has been a party desiring resolution of the transaction or facilitating the transaction simply calling the other party using a telephone. However, in some situations a telephone call can be perceived as intrusive and possibly hostile.

[0010] A telephone solicitor, debt collector or attorney may be paid on a commission, i.e. receives payment based on the amount collected. Payment on a commission basis can be contradictory to the goals of resolving or facilitating the transaction, since in a financial setting the party seeking payment may want the highest amount paid to enhance her individual commissions, while her employer may seek a highest total amount of money collected. The problem occurs when the individual obtains a high dollar resolution but the payor believes he was treated poorly and either refuses to pay any further monies ever or informs his friends of the bad experience and his friends do not engage in transaction resolution. Thus the use of overly aggressive tactics to collect certain high-commission monies can limit the total overall recovery.

[0011] Typical costs for resolving transactions include salaries, commissions and operating and infrastructure costs (e.g., electricity, office space, furniture, desktop equipment and support, telephony equipment, operation and support, administrative support personnel, and accounting, etc.). Salaries and commissions are required not only for obtaining funds, but also preliminary investigation of the contributor, borrower, debtor, or other appropriate entity.

[0012] In a debt resolution context, and in other certain legal scenarios, money can be received by entities that do not provide the goods, services, or transactions but have the right, authority, or task to complete the transaction. In the debt resolution context, debt collectors function solely for the purpose of collecting the debt, and as such have certain rights and restrictions on operation. When a debt collector seeks to collect a debt, the longer a debt remains delinquent, the more the debt increases due to interest fees and penalties. The overall probability of recovery decreases over time. Large segments of debt can fall "out of statute" and become legally unrecoverable after 7 years. Thus, in debt collection, contacting debtors and settling accounts must occur within specified time frames. Similarly, other transactions can have certain hard imposed deadlines, including but not limited to fund raising goals, statutes of limitations, and so forth.

[0013] Changes in contact information present a significant problem in resolving transactions or facilitating transactions in today's society. Current information providers provide current phone numbers on a limited number of persons. Current phone numbers must first be dialed in order to determine whether the telephone number is active and still used by the original debtor. Telephone numbers are constantly being reassigned and the cost of calling changed numbers remains high and is extremely inefficient.

[0014] A party wishing to resolve a transaction is typically forced to use either a carrot or stick approach. In debt

collection, debt collectors typically have available the threat of litigation, posting of derogatory information on the debtor's credit bureau, and the offer of settlement at a reduced amount as their primary tools when dealing with the debtor. Collection practices generally are not optimized for best overall return. Rules of thumb are used for settlement amounts based on general past experience, but typically require some amount of investigation to, for example, establish whether reporting delinquent status to a credit bureau will have a measurable effect on a debtor and/or the ability for the debtor to pay a particular amount over time. The expense of the collection process does not allow for a great deal of tuning of the settlement offer to the individual debtor. In the solicitation area, the solicitor has available a set of benefits that can or will be conveyed to the party being contacted, a variety of contribution options in a charitable solicitation arrangement, and general amounts may be presented to the party contacted. Rules of thumb and instinct are again employed, but an investigation into an ability and desire to pay can have a significant effect on the amount the party contacted eventually contributes. The same is true in a mediation or arbitration setting.

[0015] In light of the above, it would be desirable to have a system and method that improves transaction resolutions over systems and methods previously employed for such purposes.

SUMMARY OF THE INVENTION

[0016] According to one aspect of the present design, there is provided a method for completing a sale transaction. The method comprises establishing network communications between a user and a server arrangement, receiving information, at the server arrangement, regarding the transaction, seeking available information pertinent to the sale transaction from at least one source external to the server and the user, processing data from the available information using a rules based engine including rules established on behalf of a selling party located at the server; and presenting an offer set to the user based on at least one decision made by the rules based engine.

[0017] These and other advantages of the present invention will become apparent to those skilled in the art from the following detailed description of the invention and the accompanying drawings.

BRIEF DESCRIPTION OF THE DRAWINGS

[0018] For a more complete understanding of the present disclosure, reference is now made to the following figures, wherein like reference numbers refer to similar items throughout the figures:

[0019] FIG. **1** illustrates a computer system for use in accordance with one embodiment of the present transaction resolution design;

[0020] FIG. **2** is a logical representation of software modules executed by the server of FIG. **1** in accordance with one embodiment of the present design;

[0021] FIG. **3**A illustrates a process flow for debt collection in accordance with one embodiment of the present design;

[0022] FIG. **3**B is an alternate process flow for the present design;

[0023] FIG. **4** illustrates an architectural representation of the debtor interaction side of one embodiment of the present design, implemented on a Microsoft platform;

[0024] FIG. **5** is one embodiment of a creditor system architecture;

[0025] FIG. **6** shows an alternate embodiment of system operation representing an embodiment of the present design;

[0026] FIG. **7** illustrates an embodiment of a payment partner server transaction flow;

[0027] FIG. **8** is one embodiment of the general concept of mapping source data to dictionaries using schemas;

[0028] FIG. **9** illustrates a general creditor/credit agency workflow in accordance with the present design;

[0029] FIG. **10** is a general debtor workflow in accordance with the present design;

[0030] FIG. **11** shows an Internet browser screen shot having settlement items particular to a credit bureau;

[0031] FIG. **12** presents a general set of settlement terms for a particular creditor or credit agency;

[0032] FIG. **13** illustrates a settlement dictionary, including in this embodiment an option to create and edit debt settlement items and assign tags, such as XML tags, to match source data;

[0033] FIG. **14** represents a general format for reports, specifically reporting collection statistics for a debt portfolio;

[0034] FIG. **15** illustrates a general blank form including fields that may be filled with settlement offer data and presented to a creditor for purposes of issuing settlement offers;

[0035] FIG. **16** shows a portfolio manager and illustrates the concept of OrgUnits;

[0036] FIG. **17** is shows a rule manager for a portfolio created by the system;

[0037] FIG. **18** illustrates the concept of child portfolios;

[0038] FIG. **19** shows a dictionary manager screen;

[0039] FIG. **20** is a screen shot of a selected dictionary including attributes;

[0040] FIG. **21** illustrates a screen shot viewable by a debtor/user; and

[0041] FIG. **22** is an alternate embodiment of the use of settlement terms, including rules, used to form offers to debtors for the embodiment presented.

[0042] The exemplification set out herein illustrates particular embodiments, and such exemplification is not intended to be construed as limiting in any manner.

DETAILED DESCRIPTION OF THE DISCLOSURE

[0043] The following description and the drawings illustrate specific embodiments sufficiently to enable those skilled in the art to practice the system and method described. Other embodiments may incorporate structural, logical, process and other changes. Examples merely typify possible variations. Individual components and functions are generally optional unless explicitly required, and the sequence of operations may vary. Portions and features of some embodiments may be included in or substituted for those of others.

[0044] In general, the present design includes a system and method for resolving transactions, including but not limited to resolving debts, resolving insurance settlement claims, establishing charitable donations, and the like, by providing an automated information collection system that

collects information about one party, parses and/or operates on the information collected based on a set of rules established by the other party, and presents certain offers to an individual based on the information collected and parsed. The offers and information are typically provided via a computer network, such as over the Internet, typically via an encrypted connection. The individual may then elect one of the options presented or may refuse, whereupon certain additional information may be solicited and/or entered and the transaction moved further toward resolution. Even in instances where the transaction is not resolved using the present design, the information received can be useful in determining the ability and willingness of both parties to resolve the transaction and can indicate the next logical steps to resolving the transaction, such as initiating litigation or refraining from resolving the transaction altogether. The present design thus automates the overall transaction resolution process, and can reduce the costs, time, and complexities associated therewith at terms acceptable to the parties to the transaction.

[0045] Whereas previous systems have been offered that enable an online presentation of offers to suit a need, such as an individual contacting a website to obtain car insurance or a mortgage, those types of designs have typically presented a variety of offers to a user without any information regarding the user being sought regarding the user before presenting offers. While those types of sites may request input from the user, no external investigation or information seeking occurs before the three offers from three different lenders, for example, are presented to the user. The present design not only seeks relevant external information pertinent to the user and/or the transaction, but the present design also resolves an existing difference of opinion regarding the transaction. The present design contemplates two parties having different positions regarding an existing transaction, such as a debt, insurance settlement, or other two party type of transaction.

[0046] The present design brings the two parties together with the ability for one party to employ a set of rules in a rules based engine to form an offer set to resolve the transaction. The present design thus automates resolution of the transaction using information externally obtained regarding the transaction and/or user in a rules based engine having rules provided in part based on desired negotiation rules for one party.

[0047] The elements that implement the various embodiments of the present system and method are described below, in some cases at an architectural level and in others at a logical level. Many elements may be configured using well known structures. The functionality and processes herein are described in such a manner to enable one of ordinary skill in the art to implement the functionality and processes within the architecture.

[0048] The processing described below may be performed by a single platform or by a distributed processing computer platform. In addition, such processing and functionality can be implemented in the form of special purpose hardware or in the form of software or firmware being run by a general purpose or network processor. Data handled in such processing or created as a result of such processing can be stored in any type of memory as is conventional in the art. By way of example, such data may be stored in a temporary memory, such as in the RAM of a given computer system or subsystem. In addition, or in the alternative, such data may be stored in longer term storage devices, such as magnetic disks, rewritable optical disks, and so on. For purposes of the disclosure herein, a computer-readable media may comprise any form of data storage mechanism, including existing memory technologies as well as hardware or circuit representations of such structures and of such data.

[0049] The techniques of the present system and method might be implemented using a variety of technologies. For example, the methods described herein may be implemented in software running on a programmable microprocessor, or implemented in hardware utilizing either a combination of microprocessors or other specially designed application specific integrated circuits, programmable logic devices, or various combinations thereof. In particular, the methods described herein may be implemented by a series of computer-executable instructions residing on a storage medium such as a carrier wave, disk drive, or other computer-readable medium.

[0050] Further, while primarily described herein with respect to an exemplary system and method for resolving transactions in a debt settlement scenario, the invention and disclosure herein are not intended to be so limited. As noted, the present design may be employed in a variety of scenarios, further including but not limited to insurance claim settlements, charitable contributions, and so forth.

[0051] As used herein, the term "entity" refers to an individual, corporation, partnership, or other type of legal entity. A specific embodiment of the system and method as described below is sometimes referred to as an "Intelligent Debt Settlement system" or an "IDS system", or even simply as an "IDS".

[0052] The system may be operated online, or via the Internet, as a web-based platform for creditors or their agents (including, for example, debt collection companies, collection agencies, and legal representatives) that allows debtors to settle accounts online at any time of day. Debtors may log into or connect to the system and settle accounts from the privacy of their home or office without the inconvenience of calling the collections department or a collection agency and talking to a collector. The system enables a creditor to create debt settlement terms online, using his own decision criteria, thus helping both the debtor and the creditor/collection agency more rapidly reach a mutually beneficial resolution online without involving the agency's collectors.

[0053] When the debtor engages in an online session, the system may acquire certain credit information, including but not limited to a credit report. Based on the credit information so located and collection criteria predefined by the creditor, the creditor/collection agency may determine the settlement offers available to the debtor based on the debtor's ability to pay. The debtor may choose a most desirable settlement offer in a less adversarial environment. The system may be employed to process payments using online bill paying techniques, and the system may update credit bureaus with current information, such as actual settlement of the debt. The system may send notification to all appropriate parties memorializing the transaction. The system may provide creditor information so that a creditor may view and manage real-time portfolio settlement parameters online.

[0054] The system generally may be implemented using open standards. The system may be, for example, built in Microsoft Visual Studio .NET and SQL Server 2000 and may be fully XML compliant. The system may run in a

secure data center and may be enabled as a web service to provide the technology foundation for its strategic enterprise partners.

[0055] End users of the system may include delinquent consumer debtors with access to the Internet. For purposes of defining the entities potentially using and/or associated with the system, such parties may include "creditors," namely entities that loan money to other entities, such as individuals, and are owed money by these "debtors." Entities may include banks, credit unions, and other lending institutions, but also may include others who provide money, goods, and/or services to entities, such as attorneys, physicians, and so forth. A "primary creditor" is a creditor having an internal collection facility or capability. In this scenario, "debtors" are those entities who have incurred the debt from the creditors. Individuals, partnerships, corporations, government entities, and virtually any person or business structure may become a debtor. A "collection agency" collects on behalf of a primary creditor, typically for a percentage of the fees recovered. A "collection discounter" typically purchases debt and collects that debt internally, or in-house. A collection discounter is independent of the creditor or primary creditor, while a collection agency is typically an agent of the creditor or primary creditor.

[0056] A logical overview of the system is illustrated in FIG. **1**. From FIG. **1**, a computer system **100** includes a server **102** used generally for transaction resolution. Server **102** may be in communication over a communication network **110** with a debtor device **106** such as, for example, a personal computer or PDA. Creditor server **104**, operated for or on behalf of a creditor (e.g., a creditor of a debtor operating debtor device **106**) may be connected by a communication network **108** to server **102**. Collection software **120**, which may be existing software used by a creditor, runs on creditor server **104**. Credit bureau server **116** communicates with server **102** over communications network **107**. Payment partner server **114** communicates with server **102** over communications network **109**.

[0057] Communication networks **107**, **108**, **109** and **110** may be, for example, the Internet or a local or wide area network. An application program, for example an Internet browser or another application to provide a graphical or other user interface to a debtor, may run on debtor device **106** and provide access by the debtor to server **102**. A debtor account on server **102** may be activated or accessed, for example, using logon information provided by the debtor.

[0058] Server **102** may execute software **112**, described in more detail below. Information regarding debtors, for example associated with debts held by the creditor operating creditor server **104**, may be stored in account/transaction database **118** accessible by server **102**. Note that other information may be obtained by the server either from internal or external sources to facilitate the transaction and to enable application of the rules described below with respect to software **112** to the data received in order to present the user with an offer set. Examples of information sought include information related in some manner to the user or the transaction, such as macroeconomic data, financial information, transaction information, personal information, or other pertinent data. For example, if a creditor in a debt transaction wishes to extend a time period for settling a debt when a user/debtor lives in a geographic area suffering from a natural disaster, the system may obtain the conditions of the area where the debtor lives. Such information seeking may be done based on the rules presented or separate from the rules presented. Such information may be obtained from, for example, the account/transaction database **118**, from the creditor server **104**, or from some additional remote source not illustrated in FIG. **2**, such as a publicly accessible weather server or financial data server.

[0059] Software **112** may interact with collection software **120** so that debtor-related data is synchronized between server **102** and creditor server **104**, such as in a real-time or secure batch process.

[0060] In general, the system illustrated in FIG. **1** operates to get the debtor and creditor or creditor representative/agent together to process the transaction, typically by offering a certain number of options to the debtor based on rules established by the creditor, wherein the information provided by the creditor may be parsed and processed to establish the options made available to the debtor. Server **102** may hold or have access to certain information but may functionally operate to hold information, collect information, and manage contact between the debtor operating debtor device **106** and creditor server **104**, credit bureau server **116**, and payment server **114**.

[0061] FIG. **2** illustrates the logical arrangement of software modules that may be executed by server **102** as part of software **112**. Some or all of these logical modules could, for example, be distributed across multiple servers. Debtor interface **222** may provide an interface to debtors using debtor device **106** and provide information provided from such debtors to decision engine **206**. Credit bureau module **202** may obtain credit reports from credit reporting bureaus for the debtor currently accessing server **102**.

[0062] Credit reports typically come to either an entity investigating credit or an individual requesting a credit report in a form having significant amounts of information, including but not limited to account entities such as credit card issuers, auto and home loan creditors, and may include information such as payments made or missed, judgments, bankruptcies, and other pertinent information. In certain instances, a credit rating or credit score is computed and provided. Typically the report includes the person or entity's name, and other identifying characteristics, such as an address, telephone number, birth date, birth place, social security number, or other personal information. For persons or entities having significant activity, such a credit report can include hundreds or even thousands of individual pieces of information.

[0063] Credit reports are generally distributed in a format particular to their issuer. For example, Credit Report Bureau A may provide a script or other data format, such as a series of records, that includes (in order) Last Name, First Name, Middle Name, Current Street Address, Current City, Current State, Current Zip Code, Current Telephone Number, Bankruptcies, Date of Bankruptcy, Court of Bankruptcy, Account Name, etc. Credit Report Bureau B may provide a different script or other data format that includes First Name, Middle Name, Last Name, Current Area Code, Current Telephone Number, Current Street Number, Current Street, Current Unit Number, Current State, Current Zip Code, Credit Score, Account Name, Account Status, Payment By Month on Account, and so forth. While the same general information may be included, the format and ordering may be completely different, and different entries may be present. The result is a different credit report for each issuer.

[0064] The system **100** obtains the credit report in the form provided by the credit bureau server **107** at the credit bureau module **202**. Typically credit bureau identification information is provided with the credit report, such as the credit report is provided by Credit Report Bureau A. Alternately, the credit bureau module **202** may be instructed to obtain a credit report from Credit Bureau A on individual X and may contact the credit bureau server **116** to obtain the credit report. At that point, credit bureau module **202** would know the credit bureau server being contacted, i.e. that of company A, and would be able to forward that information to parser module **204** if not present in the credit report.

[0065] Simply put, credit bureau module **202** receives a request, typically from the decision engine **206**, to obtain a credit report from credit bureau A. Credit bureau module **202** then obtains the credit report from the credit bureau server **116** for credit bureau A, and may perform some level of functionality on the report received, such as converting the report into a format usable by parser module **204** or locating certain limited information. In general, credit bureaus generate information and reports in a consistent manner and format, and thus a report from a bureau will adhere to a predefined format. If this format changes, such as by adding new fields or data, that information may be accommodated by changing the expected parameters within credit bureau module **202** or parser module **204**.

[0066] The credit bureau module **202** combined with parser module **204** may perform certain functionality, while certain functions are performed by the credit bureau module **202** and others by the parser module **204**. In general, however, the parser module takes the information received in the form of a credit report and parses the information into useful information to the system, and discards any unnecessary information. The information extracted depends on the situation, but may be appreciated and understood beforehand, such as retaining the individual's first and last names but discarding current street address. The result of information parsing may be a set of information in a desired format that can be operated upon by other modules in the system.

[0067] The system may parse information based on the rules generated for the particular creditor or credit agency. For example, if a certain creditor only wishes to offer a transaction based on an individual's credit score, bankruptcy history, and current bank balance in all accounts, only that information may be extracted by the credit bureau module **202** and the parser module **204**. Thus the system parses information based on the report provided in combination with the rules established by either the creditor/credit agency or optionally by the party maintaining the software **102**. Rules for individual creditors may form part of the schemas **216** and/or dictionary **214** and thus may be available to the parser module, either via the decision engine **206** or independent of the decision engine (not shown).

[0068] As an example, credit bureau A may provide a credit report electronically in a particular format. The credit bureau module **202** may receive the credit report knowing it is from credit bureau A. The credit report may have been generated as a result of an inquiry by creditor or credit agency P. Thus the credit bureau module **202** and parser module **204** may know that a credit report from credit bureau A is being parsed for the benefit of creditor or credit agency P. With this information, the parser may acquire from the credit report only that information needed based on the rules for creditor or credit agency P. Based on the rules generated for creditor or credit agency P, the only inputs required to perform the rules may be number and dates of bankruptcies, delinquent payments more than 60 days on at least two accounts, amount of money available in all known bank accounts, and credit score. Based on the inputs required for the rules, the parser may then extract the required information from the credit bureau A report.

[0069] Alternately, a uniform set of rules may be developed wherein the information retrieved may be a general or universal set of information independent of creditor or credit agency. For example, the parser may universally retrieve credit score, funds available in all bank accounts, identification information, total number of delinquent payments, number and dates of bankruptcies, and total credit available for an individual. While this information may be located in different places in credit reports from credit bureaus A, B, C, and so forth, this type of information is typically available in a standard credit report and may be extracted from a bureau's credit report.

[0070] Note that while certain examples are provided here and throughout this document, these examples are meant to be illustrative and not limiting as to the functionality of the present system and method. Other examples and implementations are possible and this document should not be limited by the examples presented.

[0071] The result from parser module **204** is a set of information parsed from a particular credit report for a particular entity that may include only that information pertinent to a particular creditor or credit agency.

[0072] In other words, parser module **204** may parse information from a credit report for processing and decision-making by decision engine **206**. More specifically, parser module **204** may extract and calculate user or creditor/credit agency defined credit report items and current account data, and then submit both the calculated bureau and account data to decision engine **206** for decision making processing.

[0073] Decision engine **206** may compute, calculate and generate multiple settlement offers for the debtor based on information received from the individual's credit report, including, for example, the debtor's ability to pay and the debtor's bank and credit card account history. This history may be determined, for example, by accessing account/transaction database **118** using decision engine **206**. Account/transaction database **118** may contain information about particular debtors either acquired by means independent of those modules shown in FIG. **1**, or from the modules provided such as credit bureau server **116**, payment partner server **114**, or from the debtor via debtor device **106**. Information may include, but is not necessarily limited to, previous information obtained about a particular debtor either from a credit bureau or otherwise, such as payment history, credit score, bankruptcies, delinquent payments, and so forth, as well as identifying information. In the event certain information is unavailable at a later date, any information about debtor stored on the debtor account database may be used where appropriate. Further, if a debtor logs onto the system and selects or refuses to select certain options presented, that information can be maintained for, at the very least, access times and accessing URLs by the debtor where appropriate. Debtor interface **222** may also assist in providing this history data to decision engine **206** by accessing account/transaction database **118**.

[0074] Debtor interface **222** serves two functions: providing an interface to the debtor directly, such as during an

online session, and possibly accessing the debtor account database where appropriate. A typical session will be prompted by notifying the debtor in some fashion, such as by prerecorded telephone message, letter, or possibly electronic contact such as email or text messaging. The debtor may then access an established web site typically controlled and/or operated by the owner/operator of server **102**. The user may log into the site using standard, typically secure Internet protocols, such as by the user/debtor logging into the web site, essentially connecting the debtor with the system **100** via the debtor interface **222**. The debtor may be presented with a series of identification questions, establishing the user's identity including but not limited to providing a social security number, answering questions that collectively only the correct user/debtor might know, such as "When is your birthday," "At which branch did you open your Bank of America account," and "What is the last name of the attorney that represented you in your 1994 bankruptcy?" The user may need to answer a series of questions to establish identity. Additionally, the user/debtor may be provided a code when he or she is initially contacted, such as when the debtor receives a letter, email, text message, or telephone message, and the user/debtor may be asked to provide that code in addition to answering other pertinent identification questions. Once debtor interface **222** identifies the user to a satisfactory degree, where satisfactory is determined by the situation and the desire of the credit agency or entity controlling or maintaining the server **102**. More security may be needed in extreme cases. Other methods of authentication may be used, including but not limited to voice recognition hardware and software, fingerprint recognition, and so forth, to decrease likelihood of an errant identification.

[0075] Once a user has been verified or authenticated, the fact that the debtor has logged onto the system is noted and may be stored, such as in the account/transaction database **118**. The user/debtor may identify the debt for which he or she is inquiring, typically by selecting from a menu which may contain one or more debts available to be settled. At that point, one of two things may happen. If a credit report is available and has been parsed by parser module **204**, the decision engine may recognize the debt as being associated with a creditor and may obtain the applicable creditor rules and decision criteria and compute a set of offers to present to the user/debtor, such as by presenting a set of options on screen to the debtor. If the credit report has not been received and parsed, the user may be told to wait for a reasonable amount of time, such as a few minutes. Otherwise, if the credit report may not be obtained and parsed within a reasonable amount of time, the user may be told to return at a specified time or thereafter. For example, a message may be transmitted to the debtor/user that at least one settlement offer is being prepared and the debtor/user should log back on after 4:00 p.m. EST. The user may be provided with a session code or password(s) so that she does not need to go through the identification process questioning again.

[0076] If the decision engine **206** has available parsed credit report information, either upon authentication of the user/debtor or after the user/debtor has reconnected via debtor interface to the system, the decision engine **206** may obtain schemas, rules, and a dictionary appropriate for the creditor/credit agency or other entity seeking resolution of the debt transaction. The decision engine **206** relies on dictionary **214** and schemas **216** in presenting the set of options or decisions to the user/debtor. In this context, a schema is a structured framework of rules appropriate to the situation. As an example, a schema may be associated with creditor/credit agency X, and may include rules such as:

[0077] "Only offer a maximum of three options to any debtor at any one time"

[0078] "If the user/debtor has incurred more than one bankruptcy in the last ten years, the only offer made available will be payment of between 100% and 90% of the debt"

[0079] "Offers made will only be available at the time of initial logon, and if the debtor/user logs out or loses connection for any reason, the only offer made available upon subsequent logon will be payment of between 100% and 90% of the debt"

[0080] "If the debtor/user has a credit score over 650, the debtor/user will be offered three options initially, including (1) an offer to settle immediately for 100% of the outstanding debt, (2) an offer to finance 100% of the debt over 12 monthly installments at 8% interest per annum, and (3) an offer to finance 100% of the debt over 24 monthly installments at 10% interest per annum. The debtor/user will be presented with a statement that agreeing to settle the debt under option (1) will not materially affect his/her credit score, but options (2) and (3) will cause a report of a late payment to be reported to all appropriate credit bureaus. If the debtor does not accept any of options (1), (2), and (3), then offer the user/debtor a second set of options including one option, settlement of 90 percent of the debt with a statement that such payment may be made immediately but will be reported as 'deficient' to all appropriate credit bureaus"

[0081] "If the debtor/user has a credit score over 675, and has a ratio of this debt to money available in all accounts of less than 5 percent, and the ratio of all other outstanding debt to money available in all accounts is less than 25 percent, then make four offers to the debtor user: (1) an offer to settle for 90 percent of the outstanding debt, with no report made to credit bureaus; (2) an offer to settle for 85 percent of the debt for 12 payments at 10 percent annually, with a delinquency report to credit bureaus; (3) an offer to settle for 80 percent of the debt for 24 payments at 12.5 percent annually, with a delinquency report to credit bureaus; and (4) an offer to settle for 50 percent of the debt paid immediately, and the remaining 50 percent financed over 12 months at 5 percent per annum, with no report made to credit bureaus."

[0082] As may be appreciated from the foregoing, the rules and schemas may be generated to include virtually any set of rules and conditions and may be very complex. The set of rules and schemas in schema module **216** may be provided by the creditor/credit agency, or the entity controlling the server **102**, or a combination of both. For example, creditor B may desire a set of schemas to apply under certain conditions, including applying financing terms at specific percentage rates per annum. The entity maintaining the server may automatically increase the percentages by 0.25 percent to be allocated to the entity maintaining the server. Alternately, the entity maintaining the server may dictate that due to certain regulations in specific jurisdictions, under no circumstances may a debtor in a particular jurisdiction be offered a settlement that includes a financing percentage rate of over 25 percent. Certain creditors may only offer general guidelines for settlement offers, and the entity maintaining the server **102** may implement the guidelines and establish the rules and schemas.

[0083] For example, a creditor may simply indicate a desire to make exactly three offers to every debtor/user, including one offer for 100 percent of the outstanding debt and two financing offers with percentage rates and terms based on the debtor/user's credit score, with lower rates for higher credit scores. The entity maintaining server **102** can take this information and create rules and schemas implementing the desires of the creditor and can implement a rate scheme based on debtor/user credit score, with specific restrictions for jurisdictions having maximum interest rate requirements. For example, if the debtor/user has a credit score of under 500, the financing rate for both offers may be 25 percent, with different terms; if over 500 but less than 650, then 10 percent for 12 months and 12 percent for 24 months are offered; if over 650 but less than 750, then 6 percent for 12 months and 8 percent for 24 months; and if over 750, then 5 percent over either 12 or 24 months.

[0084] Reporting to credit bureaus may be offered if desired, and rates and conditions may change periodically, thereby requiring a change to schemas or the data used to apply the rules. For example, if a schema contains a rule using the prime lending rate to determine financing terms, the prime rate may be implemented in the system, such as in the dictionary **214**, and changed periodically, or the decision engine may obtain the prime rate constantly through some type of interface to a device that provides the prime rate updated periodically.

[0085] Decision engine **206** is therefore typically a rules-based engine that uses rules previously defined, for example, by the administrator of server **102** or another entity having a business or other relationship to server **102**. The rules used by engine **206** may therefore also include information defined by creditors in creditor decision criteria **212**, and the decision engine **206** may be interactive, meaning that persons external to the decision engine **206** may provide information that may be used to present offers via the debtor interface **222**.

[0086] Thus the overall functionality of decision engine is to interact with the debtor via debtor interface **222**, and once the debtor is authenticated, obtain the parsed credit information for the user and any information about the debtor from the account/transaction database **118**. Based on the specific debt owed, the decision engine uses dictionary **214**, schemas **216**, and creditor decision criteria **212** to prepare a set of offers to the debtor, the set including at least one offer. The offers are then conveyed to the user via the debtor interface **222** and the debtor may select one for resolution of the transaction.

[0087] The rules used to generate the set of offers by decision engine **206** therefore may include, for example, a large number of various mathematical, logical, or other functions that use data associated with the debtor as operands. Data could include debtor information provided by a creditor such as, for example, size of the debt, the date the debt was created, and the last payment date. Other information used by these functions and other rules may include data obtained from a credit report obtained for a debtor such as, for example, the debtor's current credit score.

[0088] Dictionary **214** generally represents a translator of terms employed within the credit report, schemas, and creditor decision criteria. For example, one credit report may use the term "Last Name" while another credit report may call the field "Surname," essentially meaning the same thing. The dictionary provides for translation of terms received from credit reports or within creditor schemas to a term that can be recognized by decision engine **206**. Another example would be a credit report containing the field "last delinquent payment," used by decision engine as "date of last delinquency" and contained in other credit reports as "last missed payment," "most recent unfulfilled obligation," etc. In addition to converting from one set of terminology to another, conversions and other translation parameters may be included in dictionary **214**, such as when an interest rate is provided as a monthly rate, conversion may be provided to an annual rate. Translations and dictionary entries may be provided for translations between credit reports, rules within schemas, and internal variables employed by the decision engine **206**. In general, the decision engine may obtain rules and schemas from creditor decision criteria **212** and/or schemas **216** and credit reports from parser module **204** and credit bureau module **202** and may translate them into a format usable by decision engine **206**.

[0089] Schemas **216** may be used to import source data, for example, provided from creditor server **104**, to server **102**. Schemas may be, for example, edited using a schema editor, known to those skilled in the art, that may run on server **102** and be accessible by a creditor using the system **100**. Such an editor may alternately run separately from the system and may enable providing an edited schema to the system **100**. Source data, namely the source of data for the schemas, such as rules, criteria, and other information typically originates with a computer system or server maintained by a creditor, such as creditor server **104**. Source data usually has very different data structures depending on the creditor system provides the data, and thus data received by the server may be converted before being stored as a schema.

[0090] Dictionaries may be produced or augmented using client specific schemas, where dictionaries are used to translate information from one form or version to another. Schemas may be analyzed and depending on the terms, terminology, formats, and aspects employed in the schema, certain translations or conversions may be offered in the dictionary. Such analysis is typically performed offline by a human but can in certain limited circumstances be automated. Source data may be processed through a schema **216** to create one or more different rules dictionaries (e.g., one or more of dictionaries **214**). ETL (extend, transfer, and load) processing may be done on these source data files as part of this importing. One or more source data files may be selected for processing by a particular schema. The choice of the source data file(s) and the schema can result in the production of different dictionaries **214** where each dictionary may have different rules and field types.

[0091] Dictionaries **214** may include definitions (as mentioned above) that include, for example, both offer variables and guidelines, where guidelines may be offered as part of a dictionary **214**, schema **216**, or creditor decision criteria **212** or other appropriate location in the server **102**. Guidelines may be defined requirements that a debtor's profile must meet in order for a certain offer or set of offers to be made. Offer variables may be functions used to generate offers based on, for example, predefined mathematical functions. For example, a certain offer may require that a debtor live in a particular state and the offer may be generated based on a mathematical formula that uses, for example, the size of the debt and the number of days since the last payment. The offer variables may include adjustments to basic default

values where such adjustments are governed by a rule. For example, where an offer variable sets a value (e.g., "Expiration (days)=25"), a rule such as, for example, "If Accrued Interest>=1000 then Value(Expiration (days))=37", can be used to create an adjustment of the initial value of 25 if the defined condition is satisfied by the data corresponding to the debtor. These rules may be housed in the dictionary **214**, but are more typically included as part of creditor decision criteria **212** or schemas **216** and may be located in other positions within the server **102**.

[0092] FIG. **8** illustrates one embodiment of the general concept of mapping source data to dictionaries **214** using schemas **216**. Each schema **216** is defined to match up to data produced by a different source, such as a financial institution or other creditor or credit agency. A schema imports and transforms source data into one or more selected dictionaries **214**. Mapping may occur using a schema map. Fields of source data are typically different from the final fields desired in the dictionaries **214**. For example, source data may include fields such as "prime lending rate" having four digits while the server **102** operates using a field called "prime rate" having five digits. The schema may map prime lending rate into prime rate and add a 0 to the value provided.

[0093] Source data may be mapped to more than one dictionary, and two or more source data files may be mapped to a common dictionary. Using formulas in the schema map, certain pieces of source data may become calculated or derived values that may be placed into many different fields in the one or more dictionaries **214**.

[0094] The server may alternately create a second dictionary as a standalone dictionary or a copy of a first dictionary, where the second dictionary may be edited to have rules different from the first dictionary. In addition, the mapping process discussed above can be used to export data from a dictionary, for example, by creating a schema that transforms dictionary data into an export data file.

[0095] Settlement offers will vary by debtor. The settlement offers may, for example, present differently structured financial terms to the debtor. Offers may include a discounted lump sum immediate payment and a monthly payment amount financed at a stated interest rate.

[0096] Creditor decision criteria **212** represents information (e.g., stored in memory accessible by server **102**) that may be used by decision engine **206** in generating settlement offers. Criteria **212** may be information previously provided by one or more creditors each independently accessing server **102** using its own creditor server **104**. Criteria **212** may be stored as a set of rules that decision engine **206** follows in generating offers.

[0097] The various rules used by decision engine **206** also may be optimized by performing analytics on the rules and the corresponding collection results achieved. Rules may be optimized for a particular creditor, for a given set of debtors, or for other specific situations.

[0098] As an example, optimization may take into account recovery rates if desired by the creditor/credit agency or entity controlling or operating server **102**. If a recovery rate for a group of debts is approaching 100 percent, the offers made to remaining debtors may change in some manner, such as reducing the financing rates or offering 90 percent settlement offers rather than 100 percent settlement offers. Conversely, if the recovery rate approaches 0 percent or is down from that desired, higher finance rates or an inability to finance may be offered, or offering only 100 percent settlement offers rather than 90 percent settlement offers. Other optimizations of rules may be provided.

[0099] Recovery manager **208** is an optional aspect of the design wherein a creditor may have specified that debtor offers be reviewed and/or approved by a collector or supervisor, for example, designated by the creditor. As part of the foregoing transaction resolution process, a creditor may log onto server **102** in order to see, for example, a queue of alternative offers being presented by debtors. The creditor may approve, disapprove, or otherwise initiate an action for a particular debtor.

[0100] It should be noted that while the logical representation presented in FIG. **2** of the software illustrates various blocks, modules, and components, the lines of demarcation between the various components are not hard and fast, and certain functionality may be performed by various components, including single components or combinations of components, and the functionality described herein is not a hard and fast set of requirements. For example, decision engine **206** may simply apply the rules and schemas to the parsed credit report from parser module **204**, and recovery manager **208** may develop and present the offers to the user/debtor via debtor interface **222**.

[0101] Payment processor **210**, also an optional component, may execute some or all of the payment processing and accounting functions of the collection and recovery process. The user/debtor, as noted previously, may select a settlement offer that includes payment terms financed over a period of time, or other type of structured settlement. Payment processor **210** may enable the user/debtor to utilize multiple forms of payment, which may increase the debtor's ability to pay his debt. For example, payment processor **210** may enable a specified sum to be charged to a credit card, ATM card, or bank account periodically. Payment processor **210** may also manage the distribution of payments and/or credits to any party (e.g., any party related to the original debt transaction of the debtor and/or the settlement transaction handled by server **102**). Payment distribution may be based on portfolio distribution rules stored, for example, on server **102** and accessible by payment processor **210**. For example, if a credit card issuer receives 4 percent of a transaction and the remaining 96 percent is split as 2 percent to the entity operating the server **102** and 98 percent to the creditor/credit agency for any debts in a group paid by credit card, the payment processor allocates 4 percent, 1.92 percent, and 94.08 percent to the credit card issuer, entity operating the server **102**, and creditor/credit agency, respectively. Thus the functionality of payment processor **210** is to divide the payments received in any form and distribute the payments received according to a set of predetermined rules. In order to perform this functionality, payment processor **210** may interact with payment partner server **114**, where payment partner server represents, for example, a server operating at a bank, credit card issuer, or other entity, and may be used to process the transaction selected by the debtor/user and divide the payment made immediately and thereafter among the appropriate parties according to a set of established rules. The rules may be located in schemas **216**, or other appropriate part of the system, including but not limited to recovery manager **208** or payment processor **210**.

[0102] The present system affords the ability, within server **102** and in association and via software **112**, to establish divisions within payment partners, creditors, credit

agencies, and so forth, in the form of units called OrgUnits, or units within an organization. An organization, such as a credit agency, may be broken into various divisions or units, such as collections, financing, accounting, and so forth, and even broken down within those divisions or units into sub-units. The present system establishes those OrgUnits and enables rules to be applied by an individual OrgUnit or collectively for all OrgUnits. Payments may be made to or allocated to individual OrgUnits in an organization.

[0103] Portfolio distribution rules typically are general ledger (G/L) Account distribution rules. Each OrgUnit may have 2 or more charts of accounts (typically a cash-basis Trust Chart and an accrual-basis Operational Chart). When an online payment is received by an OrgUnit via the payment processor **210**, distribution rules defined for each Chart of Accounts generally specify how the payment is to be applied to Fees, Principal and Interest balances, and in which order. Additionally, the same distribution rule may specify a "split" transaction, for example debiting Accounts Receivable and crediting Revenue in the accrual Operational Chart. Account Distributions define all in-flows and out-flows of money to the system **100**. Furthermore, within the portfolio manager **220**, accounting rules may be bound to Portfolio Lifecycle Events, such as Paid-in-Full, or Promise-to-Pay, thus binding specific pools of debt to specific contractual arrangements governing that debt within the system **100**. Portfolio manager **220** may therefore receive information related to a resolved transaction and, once the payment has been processed by payment processor **210**, account for those distributions to each OrgUnit for each dollar received and paid. Certain accounting rules may be employed to appropriately allocate the distributions between OrgUnits.

[0104] Reporting engine **218** collects information regarding the debt, the actions of the debtor, the offers made, the offer accepted, the payment made and any payments to be made in the future, and other relevant information computed within the system and provided by the system and can compile the information as desired in a report format, such as in a spreadsheet or other document form. For example, a creditor/credit agency can receive a report, either on demand or periodically, of the amount of a debt pool settled, the terms of settlement including payments received, the form in which they were received, and future payments to be received on particular dates. The result is a generally configurable set of reports that may be generated by the reporting engine **218** for the benefit of creditors, credit agencies, the entity or entities controlling the server **102**, and any other appropriate entity having an interest in the transactions resolved by the system **100**.

[0105] The reporting engine **218** may therefore generate and optionally send periodic reports (e.g., daily, weekly or monthly) to some or all authorized parties. Reporting engine **218** may communicate with, for example, payment processor **210** to obtain debt status information and recovery manager **208** to access, for example, creditor predefined rules governing the reporting of information.

[0106] Portfolio manager **220** may provide debt balance management and the migration and/or sales of debt portfolios to other entities. Debt balance management in this situation is again guided by rules, such as payment of taxes to governmental entities by specific OrgUnits, payments by OrgUnits to other entities or OrgUnits of prearranged quantities, such as rents, fees, dues, or other inter-entity transactions, and other relevant payments as dictated by rules maintained on the system **100**.

[0107] The functions of portfolio manager **220** therefore may be based on rules including information from creditor decision criteria **212**. As a further example, portfolio manager **220** may group debts by sub-portfolios for sale based on a predetermined set of criteria (e.g., established by a creditor). In this manner, portfolios may be sold or transferred between entities or OrgUnits if they fit predetermined criteria. Such an arrangement may include credit agency A providing a rule that it would be willing to take on a debt portfolio from a creditor (not another credit agency) if the amount due in the entire portfolio is between 1 million and 5 million and the average credit score for all borrowers is over 625 and no debt is over 120 days delinquent. Credit agency A may specify a rule that it would purchase such a debt portfolio by paying the creditor 20 cents per dollar of debt owed. Thus rules are used to manage the portfolio using portfolio manager **220**.

[0108] A general process flow is illustrated in FIG. **3**A, while an alternate process flow is presented in FIG. **3**B. From FIG. **3**A, point **301** indicates that the creditor or credit agency may synchronize current account data for all debts and debtor information with the server **102**. Point **302** indicates that the creditor or credit agency can manage, segment, distribute, and transfer debt portfolios based on established rules and approval for such transactions, either between entities or between OrgUnits.

[0109] The debtor may be offered an incentive from the creditor to settle the debt. The debtor may be offered such incentives using, for example, print mail, telephone, or electronic mail. As noted, the debtor is known to the creditor or its assignee or agency, and the creditor/assignee/agency typically has some form of contact information for the debtor. While persons may have relocated or provided incorrect contact information, point **303** indicates an attempt by the creditor/assignee/agency to contact the debtor in the manner suggested. Typically the debtor may be provided with a web site and a code, and a certain number of debtors may respond to such a solicitation. Alternately, the debtor may contact the creditor/assignee/agency and indicate an interest to resolve the debt, at which time the debtor may be provided with information for contacting or logging onto the server **102**. Thus various means of establishing contact with the debtor may be employed, with the end result being the debtor being provided with contact information for contacting server **102**.

[0110] Once a debtor logs onto, for example, a website hosted by server **102** and authenticates himself or herself, the software **112** may request a credit report for the debtor identified using credit bureau module **202** at point **304**. As credit reports can typically only be obtained with specific permission from an authorized entity, the credit report request may be deemed by the credit bureau as a request associated with the creditor of the debtor (or with the creditor's collection agency) when requested by the credit bureau module **202** from credit bureau server **116**. The credit report may be obtained in this manner, and data from the credit report may be parsed by parser module **204** and used by decision engine **206** as described above at point **305**.

[0111] At point **306**, settlement offers may be presented to the debtor on, for example, a webpage. Offers are calculated by the decision engine **206** as discussed above, according to the parsed information from the credit report and the rules

established by the creditor or credit agency. An example of a set of offers to a debtor is presented in FIG. **6**. Each offer may have an expiration date associated therewith and an icon or button for the debtor to select to enable acceptance of a particular offer.

[0112] At point **307**, the webpage generated by server **102** may also present, for example, an icon or button for the debtor to click to indicate a desire to negotiate other terms with the creditor using server **102**. Terms of such a negotiation may be specified by the creditor or credit agency and/or entity controlling the server. For example, a creditor may not wish to offer an ability to negotiate. Credit agency A may offer the user/debtor one attempt to negotiate, while credit agency B offers three opportunities to negotiate.

[0113] Negotiation enables the user to set terms according to his or her desires, and thus makes available to the debtor various appropriate fields, such as in an HTML web page having data entry fields, for data such as amount user/debtor is willing to pay now, amount per month user/debtor is willing to pay per month over the next 12 months, 24 months, etc., interest rate desired, term desired for repayment, and so forth. Terms offered should be consistent. As an example, the user may be willing to pay a certain amount over a number of months and may wish to make an arrangement that accomplishes this goal. If the two offers initially made are to pay $500 per month over 12 months and $275 per month over 24 months, the debtor may consider these offers difficult or impossible but may be willing to pay $150 per month for a number of months. The user may then enter the amount he is willing to pay and request or specify the term for payments. Alternately, if one initial offer is to settle the debt for 20% of the amount outstanding to be paid immediately and financing the remaining 80% over three years at 8% interest per annum, that information may be entered.

[0114] The response from the system **100**, specifically server **102**, depends on the rules established for negotiation. If rules are established to accept an offer of 20% now and 80% over three years at 8% interest per annum, the server indicates that the transaction is resolved and proceeds to request information to obtain the 20%, such as by credit card or from bank account. In most circumstances, the user/debtor is not allowed to go back to the initial offer or offers, and will lose the successive opportunities presented once the user/debtor requests further negotiation.

[0115] If rules are established to operate on the negotiation offer presented by the user/debtor, then the decision engine may evaluate the negotiation offer with the assistance of the modules of FIG. **2** to determine a response. For example, if 20% now, 80% over 3 years at 8% is received, the decision engine **206** may obtain rules and/or schemas that indicate the creditor has specified on a "first round" of negotiation, no offer of under 50% immediate payment is acceptable, but if an offer of less than 50% immediate payment is received, the decision engine and other modules are to offer 50% immediate payment and 50% financed at either a 12 or 24 month term at 10%. These counteroffers may be made to the user.

[0116] The user/debtor may select an option and resolve the transaction or alternately the server **102** may indicate the offer made by the user/debtor is acceptable to the creditor/credit agency based on the rules provided. At that point, as indicated at point **308**, the user/debtor may pay using selected forms of payment and may schedule any agreed upon payments and the form of payment for future payments.

[0117] As may be appreciated, at a certain point resolution may be impossible; the user/debtor and the creditor/credit agency rules may not resolve the transaction. At that point, the user/debtor may be presented with an indication that no resolution has been reached and that the user/debtor may contact the credit agency by telephone to further discuss resolution. In any event, the interactive online session at this point includes data that can be saved and used to further negotiations or make decisions based on the likelihood that the transaction can be resolved successfully. If the distance between positions is significant, the credit agency may decide to initiate litigation without further discussions, while another agency may be willing to split the difference and further negotiate by phone or by using the system with different rules. A set of rules and schemas for subsequent offers may be available to enable the user/debtor to logon and further seek to resolve the transaction.

[0118] Alternately, if negotiation is offered, the user may be presented with the offer in an editable format and may edit the offer presented in an attempt to resolve the transaction.

[0119] If a user/debtor elects to negotiate or offer different settlement terms, the user/debtor may alternately be placed into a collector queue, such as in a chat room or other online device/tool, where the queue may be monitored by a creditor or credit agency having access to server **102**. The user/debtor may be notified that his offer has been placed into a queue and that the debtor will be notified (e.g., via chat, test message, or email) when a creditor decision on the offer made has occurred.

[0120] If the transaction has been resolved, point **309** indicates the system may process the transaction via a third-party trust account partner. The third party trust account partner is an entity established to oversee and maintain transactions on behalf of the creditor such that the entity operating or controlling the server **102** does not need to be directly involved in the handling of funds. Certain laws may prohibit an entity from maintaining funds in trust for the creditor, banks, and so forth, and thus a third party trust account partner may be employed, but this is optional. Further, if the entity operating or controlling the server is a bank or other permissible holder of funds, a partner may not be needed or desired. At point **310**, the system may distribute funds according to distribution rules as discussed above, such as by using payment processing discussed with respect to payment processor **210**. Accounting entries may be posted at point **311**, and reports generated at point **312**.

[0121] FIG. **3**B illustrates an alternate general flow diagram for the overall system. Point **351** establishes the rules for each appropriate creditor/credit agency and does so by OrgUnit. Point **352** loads the debt portfolio onto system **100**. At point **353**, the user may be notified of the opportunity to settle an outstanding debt. At point **354**, the user/debtor logs onto the system **100** and is authenticated at point **355** and selects a debt at point **356**. At point **357**, the server **102** seeks to obtain a credit report for the user using credit bureau module **202**, and optionally seeks information regarding the debtor from the account/transaction database **118**. Depending on the amount of time required to obtain the credit report, the server **102** may either indicate that the user/debtor may return at a certain time and seek the credit report and

parse the data before that time, or may obtain the credit report and parse the data using parser module **204**. Once the data has been parsed and the user/debtor is available, point **358** causes the decision engine **206** to obtain the appropriate rules for the debt selected, optionally based on the parsed information, and may also obtain schemas and dictionary terms as well as creditor decision criteria if any exists separate from the foregoing. Based on the schemas, rules, parsed credit information, and other appropriate information available from parts of the system **100**, the decision engine prepares a set of offers including at least one offer at point **359**. The system presents the offer to the user/debtor at point **360**. At point **361**, the user either selects an offer or selects negotiation if it is offered. If negotiation is available and selected, the user/debtor is able to enter her offer at point **362**. At point **363**, the decision is evaluated, typically by the decision engine **206** but potentially by a creditor/credit agency representative or other entity, and the counteroffer is either accepted or a further offer is made. At this point, the system cycles back through making an offer based on the rules, evaluating the availability of negotiation and allowing the user/debtor to make a counteroffer if available. The net result as shown at point **364** is either resolution or stalemate. If resolution occurs, payment processing occurs at point **365**, and reporting may occur as required at point **366**. As may be appreciated, other aspects discussed herein, such as modifying rules based on portfolio activity, may occur though not shown in FIG. **3**B.

[0122] FIG. **4** illustrates an architectural representation of the debtor interaction side of the present design, implemented on a Microsoft platform. The debtor system **400** employs object oriented programming and SQL database operation to effectuate the functionality described above. In general, objects are created or received and operated on while periodically, as necessary, obtaining data for purposes of applying schemas and rules and presenting offers to the user/debtor. The architecture is split into various tiers interconnected with a web server that enables access from the outside world via the internet.

[0123] From FIG. **4**, web server **401** includes an ASP.NET web application **402** used to interface all appropriate debtor functionality with the internet, such as allowing the debtor to contact the server **102** and interact with the server for purposes of authentication, etc. ASP.NET web applications are typically known to those skilled in the art. Many of the functions of the debtor interface **222** are performed by web server **401**. An object proxy **403** is provided to provide the data to and from the web server **401** and the other tiers in the system to effectuate the functionality described herein. The debtor system components beyond web server **401** comprise object tier server **410**, data tier server **420**, and bureau tier server **430**. The object tier creates and receives/translates objects for interfacing with the debtor/user via the web server **401**.

[0124] Object tier **410** comprises object service **411** and decision engine **412**. Object service **411** receives objects and can query the data tier or translate the object as necessary and provide the object to decision engine **412**. Much of the functionality of decision engine **206** may be performed by decision engine **412**, including assembling the rules and schemas and applying the rules and schemas to parsed credit report information to develop the set of offers made to the user/debtor and subsequent negotiations, if any. As shown, object tier **410** interfaces with both data tier **420** and bureau tier **430** to perform the requisite functionality. The decision engine **412** may seek rules and other information from data tier **420**, as may the object service **411**. Data tier **420** comprises SQL server **421**, typically a SQL server having access to all the rules, schemas, dictionaries, and other data noted above that is stored for use in creating the offers, managing the debt portfolios, and so forth. The object tier **410** further interfaces with bureau tier **430**, typically comprising a payment service module **431** used to establish payments resultant from successful transaction resolutions.

[0125] Payment service module **431** queues and processes payment transactions, routing them to an appropriate Third Party Payment Processor gateway based on the method of payment (i.e., ACH, CC, etc.), and further based on any contracts or arrangements established between the trust partner OrgUnit and the creditor/credit agency OrgUnit. Creditor/credit agency OrgUnit A may arrange to process credit card payment transactions through one third party payment processor while processing ACH payments through another. The system may enable a creditor/credit agency to dynamically select a payment partner by displaying to the creditor/credit agency OrgUnit the available Trust Partner OrgUnits and their respective Trust and Payment Processing service offerings. The creditor/credit agency can select a Trust Partner and applies for specific payment services. The Trust Partner may then approve or decline the application. Payment service applications may be supplemented by questionnaire data. Approvals and contract variables such as discount rate, transaction fees, start-up costs, and so forth, may employ decision engine **206** according to rules set up for approvals and contracts, and may result in a payment service contract. Once these contracts are established, the user is presented with payment methods for debt resolution depending on the active payment service contracts the creditor/credit agency OrgUnit has established.

[0126] Bureau server **430** further includes bureau web service module **432**, used to obtain the data from the credit bureau, such as a credit report, when necessary and provide the credit report for the debtor/user when appropriate. The bureau web service module **432** interfaces with the parser service module **433**. The bureau web service module **432** performs much of the functionality described with the logical credit bureau module **202**, while the parser service module **433** performs much of the functionality associated with parser module **204** in the logical representation of the present design. The ABS queue processor **434** queues the requests for credit reports and distributes them to the appropriate user/debtor. Hence much of the functionality shown in this FIG. **4** performs the logical functions shown in FIG. **2** performed by decision engine **206**, parser module **204**, credit bureau module **202**, creditor decision criteria **212**, debtor interface **222**, dictionary **214**, and schemas **216**.

[0127] FIG. **5** illustrates the creditor system architecture **500**, again including a server tier **501**, object tier **510**, data tier **520**, and bureau tier **530**. Creditor system architecture may be maintained separate from any creditor but operates on the creditor side of the transaction resolution process, essentially maintaining creditor data and effectuating creditor related functionality in the transaction. Again, a Microsoft platform employing OOP and SQL is shown in this embodiment. The creditor side enables the creditor, credit agency, or other entity possessing the debt to provide information and enable interfacing with the debtor side of system **100** and facilitate resolution of the transaction. The

creditor architecture **500** performs the functions needed for the creditor, such as gathering creditor and debtor data, preparing data used in providing offers, and informing the creditor of transaction resolutions and status, and in certain cases preparing reports where desired.

[0128] As with the debtor architecture of FIG. **4**, the creditor architecture includes an ASP.NET web application **502** and an object proxy **503** in server tier **501**. In addition, the server tier **501** includes FTP components and a data receiver. A creditor, such as a bank, may maintain an FTP site that includes data, rules, or other appropriate information useful in effectuating the transaction resolution process discussed. In order to maintain a level of uniformity, the FTP site file folders **504** maintain at least a list, and in some circumstances the entire file, of data used in the transaction resolution procedure. The presence of these folders can facilitate obtaining the rules, schemas, accounts, debts, and so forth used by the system **100**. A creditor data receiver **505** is provided in server tier **501** to write received data to the creditor's FTP site folders. Alternately, the creditor data receiver may transmit packages of data directly via email or a secure web service to other components of the system **100**. The FTP site file folders **504** and creditor data receiver **505** enable advantageous connections directly to and from the creditor, and receive data from and transmit data to creditor agent **512**.

[0129] Object tier **510** comprises a creditor object service **511** and creditor agent **512**. Data objects are received by and transferred from this tier. The creditor object proxy **503** may receive and transmit objects for processing or after processing for use on the debtor side of the system architecture. The creditor agent **512** creates and encrypts data exports bound for creditors, transmits encrypted files to the creditor data receiver **505** running on the server tier **501**. Data tier server **520** again maintains a database and data interaction occurs on this tier **520** using SQL server **521**. Data is of course related to the creditor and creditor related data is retrieved and transmitted using this SQL server **521**. Bureau tier server **530** comprises agent automation service **531**, which executes scheduled events, such as open of day, close of day, end of month, and other processing and accounting requirements. The agent automation service **531** communicates with external payment processors and other appropriate devices to monitor active transaction status, download batch reports, and perform other creditor related functions. The transaction state may be updated in SQL server **521**, creating change logs and current status. The bureau tier server **530** may communicate with the object tier server **510** using MSMQ (Microsoft Message Queuing) notifications to prepare and export data packages. Agent automation service is less extensive on the creditor side than the functions performed in the debtor bureau tier server **430**, and simply automates scheduled events for assessing status and preparing information relating to reports.

[0130] FIG. **6** illustrates an alternate embodiment of system operation, or the decision flow, specifically including many of the logical software components of system **100**. From FIG. **6**, credit bureau **601** represents the credit bureau from which credit reports may be obtained, generically representing all credit bureaus that may be contacted by the system **100**. Operation is sequential through the numbers encircled, and decision flow operation is generally directed by bureau server **602**. The first process is to login and obtain a token for a session for purposes of authenticating the session, where the session is on the bureau server **602**. This information passes to both bureau server **602** and decision engine build profile module **603**. Process 2 obtains an extract list, or a list of data to be extracted, while point 3 obtains a report list, or a list of data to be reported by server **602**. The extract list and report list are typically credit bureau specific, and these decisions are generally as discussed with respect to credit bureau module **202** and creditor decision criteria **212** above. For example, an extract list for credit bureau A may include the information stored as rules and/or schemas including credit score, debtor first name, debtor last name, most recent bankruptcy filed, number of payments made more than two months delinquent, total cash on hand in all accounts, etc. The report list may be the information to be reported to the credit bureau, such as successful transactions, resolved debts, payment arrangements, and so forth.

[0131] Decision flow essentially proceeds from point 4, posting a request, generally a request for a credit report from a particular credit bureau, potentially based on the extract list and possibly the report list. At point 5, the bureau login is obtained by the bureau server **602** from RDBMS (relational database management system) **604**. Point 6 inserts the request in the bureau server queue, relying on the RDBMS **604** for present queue information and data relating to entry of additional requests in the queue. Once the bureau server **602** has the queue information, it sends a request, by MSMQ or other appropriate transmission mechanism, to the bureau server queue **605**. Bureau server queue **605** may be executed in a desired order, and eventually the request made results in a credit report being obtained from credit bureau **601**. Once the bureau server queue **605** has obtained the credit report, point 8 indicates that the data is transmitted to parser **606** for parsing the relevant data from the credit report received. Block **607** represents the parser execution logic. Once the parsing has occurred, a report-notify indication is provided from parser **606** to bureau server **602** at point 9. Armed with the parsed information, bureau server **602** then transmits at point 10 a request to get results to decision engine build profile module **603**. Decision engine build profile module **603** builds a profile of the debtor based on the parsed credit bureau information or credit report, the extract list, report list, and relational database entries. The decision engine build profile module **603** at point 11 may update the particular debtor profile if certain credit information has become available, entering the additional information in the RDBMS **604**.

[0132] The decision engine decide module **608** combined with the decision engine build profile module **603** generally forms the decision engine **206** in FIG. **2**. The decision engine decides module **608** may produce a set of criteria or offer specifics approved by the creditor/credit agency based on the circumstances presented. Decision module **609** essentially receives the information and provides/converts the information received into specific offers, and provides the decision in the form of decision results, typically in MSMQ but potentially in other message formats.

[0133] While shown as two separate modules (decision engine decide module **608** and decision module **609**) in FIG. **6**, referring to FIG. **2**, the decision engine **206** contains the Decide function. Thus the two modules **608** and **609** illustrated in FIG. **6** could be combined into a single decision module. Note that FIG. **6** illustrates various subfunctions within the decision engine **206**, including BuildProfile, which communicates with the real-time external data source

module, and the aforementioned Decide, which applies the rules to the compiled profile, generating offers as a result.

[0134] The MSMQ decision results message from decision module **609** is provided to fill request offers module **610**, wherein fill request offers module **610** is an offer database holding the offers previously made and queues the set of offers for transmission to the user/debtor. The user/debtor receives the set of offers via consumer ASPX pageload module **611**, which loads the pages for transmission to the user/debtor. Any responses are received by the system at the consumer ASPX pageload module **611**, which may transmit the received response in MSMQ or other appropriate message format to fill request offers module **610**. At this point, when an offer or set of offers or other selection offered on the page has been acted upon by the user/debtor, and the decision received may be transmitted from fill request offers module **610** to decision module **609** and to decision engine decide module **608**. The result is an appropriate action (negotiate, consider the transaction resolved, negotiation/session terminated, etc.) according to the rules established, including the possibility of transmitting further sets of offers where approved. Note that RDBMS **604** may be updated by process results from fill request order module **610**, namely results of approval and resolution of transaction, negotiation/session terminations, etc.

[0135] FIG. **7** illustrates a payment partner transaction flow **700** implemented, for example, using payment partner server **114**. The third party payment partner supplies functions such as ACH (automated clearing house) processing, funds clearing and disbursement services to creditors/clients. The third party payment partner receives funds on behalf of clients, such as banks, credit grantors and collection agencies, and holds and/or clears funds on behalf of clients. The system **100** can deposit funds into a third party payment partner's trust account by submitting all transactions electronically via the internet, for example. The client-creditor can interface with the third party payment partner using the system by specifying rules and schemas according to which the terms, conditions and fees of the third party payment partner is to handle funds. For example, if the funds are to be held for 3 days or until approval has been received from the creditor before being transferred to account J, the third party payment partner holds and acts on the funds according to the rules provided. Again, rules may be implemented by the entity maintaining the server **102** separate from the creditor, credit agency, or payment partner, such as governmental regulations, usury requirements, and other appropriate data.

[0136] The third party payment partner typically can process debit cards, Master-Money cards, ACH, EFTs, and can originate transactions on behalf of clients-creditors as instructed by the client and/or its customers, can hold funds received from client's customers on behalf of the client for a fixed amount of time, such as up to 30 days, and can distribute funds to client accounts according to a client's electronic instructions, based upon electronic distribution rules maintained on the system and set up by or on behalf of the client.

[0137] Stepping through FIG. **7**, the user/debtor employs his or her user interface device **106** to provide a payment, such as in the form of an EFT or credit card information at point 1. Server **102** receives this payment input and forwards the transaction to payment partner server **114** at point 2. The payment partner server issues an authorization request requesting authorization from the appropriate debt vehicle, such as the checking account, savings account, credit card issuer, and so forth, or account **701**, at point 3. Point 4 is an authorization response, either authorizing the transaction or denying the transaction. If the transaction is denied, the payment partner server may transmit this information to server **102**, which may act according to predetermined rules in situations where payment is refused, such as by altering the offer to only payments made over time, refusing to produce any further offers and terminating the session, or other desired action. Whether or not the transaction is approved, point 5 indicates that the transaction result is provided to the user/debtor by server **102**. If the transaction is approved, payment partner server **114** provides a settlement request at point 6 to a bin account provider or merchant account provider, and an indication of money deposited is made by the provider **702**. Any fees to any related party are allocated at point 8, where a related party **703** is a party related to the resolved transaction, including but not limited to the entity maintaining the server **102**. Point 9 indicates that certain disbursements may be requested by the server **102** to payment partner **114** on a periodic basis, such as weekly or monthly, and point 10 indicates monies are deposited into client accounts 704 or creditor accounts 705 according to the rules established.

[0138] Offers are not limited to simply financial terms. Each offer or set of offers discussed above may also include non-financial terms such as the offer of a free product or service or, for example, some other type of convenience or right. The offering of these non-financial offers may be governed by one or more rules considered by decision engine **206**. For example, if a free product is offered for resolution of the transaction at 95% of the outstanding debt, a user/debtor owing $1000 may be presented with a set of offers including an offer to resolve the transaction for $950 plus a free version of his credit report, and this data may be presented to the user/debtor for selection.

[0139] As an option that may be used with the system **100** presented above, a user/debtor interacting with server **102** may improve his credit score substantially in real-time while online with server **102**. For example, the user/debtor may make a payment on a debt using the system **100**. The payment is received and acted upon as shown in FIG. **7**, and thus server **102** has approval of the funds being available and transferred. From FIG. **1**, server **102** may report the satisfaction of payment to creditor server **104** and/or credit bureau server **116**. Upon receiving a report that a debt has been satisfied, the credit bureau server **116** may take payment of that debt into account and may recalculate the credit score based on the user/debtor's current score. Computation of a credit score takes into account a variety of factors and different credit bureaus may compute different credit scores with identical data, but in general satisfaction of an outstanding debt is a positive factor that may increase a user/debtor's credit score. If the credit score can and has been calculated, the credit bureau server may transmit the updated credit score back to the server **102** for transmission and display to the user via debtor device **106**. Alternately, the server **102** may understand generally how payment of a debt may affect credit score and may compute a provisional or temporary credit score for the user/debtor based on the amount of debt satisfied and the conditions of satisfaction (immediate payment, payment over time, etc.). For example, if based on an entire credit history having a few delinquent

debts and one bankruptcy five years previously, the debtor's credit score is 612, satisfaction of an outstanding $2000 debt may raise this credit score. For example, if payment of an outstanding debt for a debtor having a total outstanding debt of between $20,000 and $30,000 and a credit score between 610 and 620 typically raises the credit score by four points, the server **102** or the credit bureau server **116** may indicate that the user's credit score either may or will increase to 616.

[0140] FIG. **9** illustrates a general creditor/credit agency workflow for the embodiment disclosed with respect to, for example, FIGS. **1** and **2**. Point **901** establishes the creditor/credit agency account with server **102** and establishes a general set of defaults for the creditor. Point **902** configures settlement terms for the creditor/credit agency, such as by either providing them verbally to an entity that can translate them into server appropriate terms, such as APX, scripts, or other appropriate settlement terms. Point **903** uploads the debt portfolio, typically from creditor server **104** to server **102** via communications medium **108**. The portfolio includes all debts and identifying information relevant to the debts, potentially including but not limited to debtor name, account number, debt amount, date incurred, and so forth. Debtor addresses may be uploaded at point **904**, again from creditor server **104** to server **102**. An optional portfolio rating may be provided at point **905** to rate the portfolio using an established rating system. For example, a portfolio may be rated with letter grades (A, B, C, D, etc.) with A being the best portfolio by some subjective measure. Number ratings may also be employed (1 for high risk, 2 for medium risk, 3 for low risk, for example) or other rating. These ratings may be used in certain subsequent rules when developing offer sets. For example, a high risk portfolio may be granted a minimum financing rate of 12 percent per annum, while a low risk portfolio may be granted a minimum financing rate of 8 percent. These ratings may change as desired. Point **906** indicates a communication with the debtors, such as by mail, email, text message, recorded phone message, or other means, thereby initiating contact with the debtor and beginning the transaction resolution using the current system **100**. Note that debtor addresses may be periodically updated, portfolios re-rated, and letters sent by the creditor/credit agency, the entity maintaining the server **102**, or other appropriate and/or authorized entity.

[0141] FIG. **10** illustrates a general debtor workflow. At point **1001**, a debtor receives a letter or other communication providing the web site of the server, perhaps identifying a specific debt or creditor, and perhaps providing a key word or password or code know to and enabled to be used at the web site of the server **102**. The debtor at point **1002** may log onto the web site, using his key word, password, or code as appropriate. In certain circumstances and jurisdictions, an individual or entity may need to approve an entity such as a creditor, credit agency, or entity maintaining server **102** obtaining his credit report. In such case, a credit report may be approved by the user indicating the obtaining entity is authorized to obtain a credit report on his behalf, shown as an option at point **1003**. Rules may be established when a user does not allow a credit report to be obtained, or no credit report is available, wherein, for example, no offers are to be made, or alternately, only a limited set of offers (such as 100 percent of debt outstanding) may be presented. These rules are established by either the creditor/credit agency or entity controlling server **102**. After a period of time, which may be short or long depending on circumstances, the user/debtor may receive and view offers at point **1004**. The user/debtor may select the best offer at point **1005**, and may pay debt at point **1006**. An option that may be made available is for the user to view his/her credit report, by purchasing it or other available options, and may view his or her credit score in certain instances if offered at point **1007**.

[0142] To provide a general feel for the type of screens that may be encountered/used by the entities accessing the system, a general set of screen shots is presented in FIGS. **11-22**. These screen shots represent a general illustration of the present design, but alternate views, information, and layouts could be presented, and thus the screen shots presented here are not intended to be limiting.

[0143] FIG. **11** shows an internet browser having settlement items particular to a credit bureau. In general, the bureau mapping function is being addressed in this screen, namely how the credit bureau module **202** obtains the credit report from the credit bureau **116**. The bureau mapping screen **1101** indicates the bureau name, the type of report, an extract list, and provides a listing on the right side of the bureau items to be extracted from the report retrieved (number of negative trades, number of trades, high credit, etc.) An operator at this screen can select from the available fields on the left side of the screen, selecting the fields he or she wishes to include from the credit bureau module and potentially parse using credit bureau module **202** and parser module **204**. Again, schemas express shared vocabularies and allow machines to carry out rules. The schema for this creditor may include the rules to extract the desired information from a credit report.

[0144] FIG. **12** presents a general set of settlement terms for a particular creditor or credit agency. Screen **1201** includes the entity name (creditor/credit agency), and includes different levels of rules, such as a 87 percent settlement and a 90 percent settlement. Offer variables include expiration of 30 days or 25 days in the two circumstances, and guidelines include rules wherein if the current debt balance to the creditor is greater than or equal to 5500.00, the amount can be paid off at 97 percent over 30 days. If the accrued interest is greater than or equal to $1000.00. If the charge off amount is greater than or equal to 55000.00 then the value offered is 80 percent. The offers and guidelines **1202** can be altered, and terms added, removed, or changed depending on the desires of the creditor/credit agency or other entity. Effective dates and expiration dates can be provided. Note that an option to add terms to a dictionary is provided in screen **1201**.

[0145] FIG. **13** illustrates a settlement dictionary **1301**, including in this embodiment an option **1302** to create and edit debt settlement items and assign tags, such as XML tags, to match source data. The various debt settlement items in this view include, under the specific creditor and the dictionary "Debt," the entries Account Status, Accrual Interest, Age, and so forth, each representing a dictionary term that can be matched to a credit report entry or other database entry. Point **1302** includes the item or tag, for example in XML format, its type, and point **1303** indicates that the item "Age" can be created using a formula, such as "Current Date" minus "Debt Date."

[0146] FIG. **14** represents a general format for reports, specifically reporting collection statistics for a debt portfolio. In this view, at point **1401**, the date and time are provided, the number of accounts in the portfolio, the total debt amount, number of accounts that have settled, percent-

age of accounts settled, amount of debt settled, percentage of all debt settled, resolution amount, percentage of total debt settled, percentage of settled debt settled, total collected, and percentage of transaction resolution amount. Reports can be provided in various formats.

[0147] FIG. **15** illustrates a general blank form including fields that may be filled with settlement offer data and presented to a creditor for purposes of issuing settlement offers. Inputs may include account number, status, name, original creditor, principal balance, current balance, sets of available settlements, proposals received from debtors, and counter offer. The screen shot of FIG. **15** may be presented to a creditor if the creditor wishes to have an ability to dynamically make settlement offers to the debtor. In this view, four editable fields are presented as well as two calculated fields. A creditor/credit agency having the screen of FIG. **15** before her may know the specifics of the debt and the state of negotiations to date, and may enter a down payment, a term, an interest rate, and an expiration rate, which may be received by server **102** and presented to the user/debtor via debtor device **106**. The "calculate" option calculates the monthly rate and total of debt paid using a specific term and interest rate entered, while "Submit to Debtor" allows the creditor/credit agency to send the offer to the creditor via server **102**. Note that if the offer violates any rules for the creditor/credit agency, such as being too low an interest rate for the circumstances presented, the server **102** may present the creditor/credit agency with a warning. Again, the offers correspond to the set of rules, wherein one rule may be that offers submitted by a live person via an interface such as that shown in FIG. **15** override all other rules.

[0148] FIG. **16** illustrates a portfolio manager and shows the concept of OrgUnits. In FIG. **16**, Test Master is a portfolio of Test Region, which is a sub-OrgUnit of First Performance. Test Master includes various settlement dictionaries and portfolios, and to the right is the OrgUnit, portfolio name, number of accounts, assigned total, adjusted total, number settled, assigned settled, and payments received. This enables a user to create a new portfolio or modify an existing portfolio. As noted, sub-OrgUnits can inherit the properties of parent OrgUnits. FIG. **17** shows a rule manager for the portfolio created, where rules can be added to a portfolio as desired. For example, for OrgUnit Test Region, Portfolio name Test Master, rules can be created for settling debt or transferring debt, such as the portfolio cannot offer an interest rate of less than 8 percent per year and can be sold to an entity offering over 50 cents on the dollar.

[0149] FIG. **18** illustrates the concept of "Child Portfolios," where additional portfolios may be added. In this view, FPGroup 2, FPGroup 22, and FPGroup3 are child portfolios of Test Master. Child portfolios may inherit the attributes and rules of the parent portfolio, and may have different or additional rules. Child portfolios enable categorization and metrics to be measured for sub-segments of portfolios, and can portray a better picture of the debt settlement position for the portfolio. FIG. **19** shows a dictionary manager screen, where a dictionary may be imported for a portfolio. In this instance, 30, 60, and 90 day dictionaries are available, where the time period represents the delinquency time of the debts in the portfolio. These dates can represent maximum, minimum, average, or other time periods of delinquency. For example, for a debt over 30 days old, the 30 day dictionary may apply, where such a dictionary may enable certain options and rules that the 90 day dictionary does not include. The concept of Import and Target dictionaries are shown in FIG. **19**, where an import dictionary may be imported from another OrgUnit, for example, or from a remote location. A target dictionary may represent potential dictionaries applicable to the specific debt portfolio and may apply only to that debt portfolio.

[0150] FIG. **20** shows a selected dictionary, here the import dictionary, and its attributes, namely that it is shared by seven accounts and may be set as exclusive to this portfolio. If the dictionary is set exclusive, aspects may be changed for this dictionary and not applied to the other six accounts.

[0151] FIG. **21** illustrates a screen shot **2101** viewable by a debtor/user. The individual's name is presented here, as is the creditor, reference number, purchase date, principal, contact information (with options to update the information) and notably two options for settlement. In this view, the balance due is 1153.85, and the transaction resolution offer set includes an offer to pay $84.62 now, expiration date Apr. 21, 2004, or pay $230.77 now and $81.15 monthly for 12 months, interest rate of 10 percent. The second offer in the offer set expires on Apr. 6, 2004. The user may accept either offer in the offer set, or may select an option to submit her own offer for consideration. Again, this offer to enable the user to submit an offer depends on the rules established for the creditor, credit agency, debtor, and transaction to be resolved.

[0152] A second screen shot of settlement terms is presented in FIG. **22**. From FIG. **22**, offer variables and guidelines, each a different set of rules, are presented. The offer is simply one of 90 percent settlement **2201**. The requirements in this instance are if the user/debtor is employed, then Value is set equal to 10, and the Downpayment is equal to 90, a 90 percent settlement, at point **2202**. Guidelines establish that the number of days to collect is less than 30, meaning the 90 percent must be collected within 30 days. Note that the 90 percent offer expires at 7 days. Effective dates and cancellation dates are provided. This version may be presented to either a creditor or the entity maintaining the server, and terms may be entered and/or changed as desired.

Alternate Transaction Resolution Scenarios

[0153] While the foregoing generally discusses resolving transactions with respect to a specific debt settlement scenario, the invention is not so limiting. In particular, the present system may be employed, including the rules, schemas, dictionaries, modules, servers, and components to resolve other types of transactions.

[0154] For example, the present system and general methodology may be employed to seek and obtain charitable donations. Obtaining credit reports may or may not be practical in such a situation, but general information may be obtained about the contributor using different sources. As with the prior system, certain contributors may be provided with a web site address and may be provided with a numeric indicator, such as a contributor number. Such a contributor may have a history of contributing certain amounts to various institutions and may therefore have a profile available.

[0155] Generally, the contributor may log in to the web site maintained by a charity or group of charities using

debtor device **106** and may log into server **102**. The server may rely on account/transaction database **118** for information on the user/contributor. Alternately, if external information may be obtained on the user/contributor from an external source, such as a credit bureau, database containing personal data, or internet source, such a source may be utilized to augment the profile of the individual. The user/contributor may be asked to respond to certain questions, such as income level, current home address, or current business address and position. Rules may then be applied by the server as described above to develop a set of offers, where offers may include a one-time gift or a payment option, possibly including free offers with each offer. For example, if absolutely nothing is known about a contributor, and the contributor does not provide significant substantive information in response to questions, such as refusing to specify income level, a default level of participation may be provided, such as options of $25, $50, $100, $250, or $500, or payments of $25 or $50 per month for a year. However, if certain information is known, the individual may be presented with different offers. For example, if the individual earns over $150,000 per year and is known to have made contributions to the present charity of over $1000 over the past year and other charities over $1000 in the past year, this may trigger a rule. For example, if the user/contributor has contributed more than $500 but less than $2000 over the past year and has a stated annual income of over $100,000, the server **102** may present the user/contributor with options of $500, $1000, $2000, and $5000 for immediate contribution, with his/her name mentioned as a bronze, silver, gold, and platinum contributor, respectively, in an annual charity publication. The user can select one of these, or an alternative selection, where the user/contributor may enter additional information, may be provided. For example, if the user/contributor wishes to specifically contribute $1500, she may enter that amount, or may enter a desired amount of $150 per month for 12 months. Subsequent rules may come into play, but generally the amount contributed may be accepted and the transaction resolved. Payment may be made as stated previously, where the charity stands in the place of the creditor in the foregoing description. Note that certain modules in the embodiment of FIG. **2** may be unnecessary or have different functionality. If a credit bureau is not contacted but the accounts database **118** or other charity relevant database is contacted, credit bureau module **202** and parser module **204** seeks the information requested from the relevant data source and may parse the information obtained. Further, a portfolio manager **220** in this instance may be a charitable contribution manager, enabling contributions to be allocated to appropriate recipients according to predetermined rules.

[0156] An alternate example is a settlement of an insurance claim. In the present system **100**, the user may be an individual or entity having a claim or rights to a claim, or appropriate representative, called here the claimant. The user/claimant may log into the server **102**, and the server may be connected to, for example, a credit bureau server **116** and account/transaction database **118** or other external database or source of data. In this scenario, the account database may include previous settlement offers made to the user/claimant, financial information about the claimant obtained from legal sources, severity of the injury/accident, or other relevant information. Based on the information available, as well as any history of claims paid for similar claims typically available in account/transaction database **118**, the server may prepare a set of insurance settlement offers according to rules established by the insurer. For example, if the injury is a death of a person with no immediate family, aged 58, caused by a car accident, the claimant may be offered $500,000 now, or $30,000 per year for 20 years, or $25,000 per year for 30 years. According to the rules presented by the insurer, the claimant may be entitled to accept the settlement or may provide alternate terms. The aspects of the current design dealing with payment (ETF, credit card payments, etc.) would typically not be required, but once the transaction is resolved according to the rules provided and the agreement obtained, the payment may be authorized and paid by a third party or by the creditor as appropriate. The information regarding resolution, such as the fact that the claim has been settled and the portfolio of claims and reports, may be generated where appropriate.

Alternate Devices/Transaction Scenarios

[0157] The system **100** may be employed, including the rules, schemas, dictionaries, modules, servers, and components therein, to resolve transactions when the user employs different hardware and/or software components to connect to the system **100** and/or the server **102**. For example, and not by way of limitation, the user may employ a personal digital assistant (PDA), wireless telephone or other telephone, smart phone, tablet computing device, handheld PC, or digital camera configured to receive and transmit data or other receiving/transmitting hardware able to provide the functionality detailed herein. A user may employ, for example, a PDA such as a RIM Blackberry device to contact the server, log in and be authenticated, receive the offer set, and respond by entering data and/or appropriate responses and transmitting the response or responses in an appropriate manner, such as wirelessly, to server **102**. Different devices may be configured to interact according to the functionality described herein and may provide for receipt of wireless communications, such as over a secure channel or protocol, and may thus enable the user to use devices other than personal computers to complete the transaction.

[0158] Further, as discussed above, the present arrangement may be used to resolve a variety of transactions, including but not limited to creditor/debtor transactions, insurance transactions, legal transactions or proceedings such as lawsuits, mediations or arbitrations, charitable donation transactions, and even sale transactions where offers are dynamically provided and potentially approved by users. The transactions that may be resolved according to the present design are not limited by the aforementioned listing, but may include virtually any type of transaction between parties where remote data about the user may be sought and potentially collected and used to establish an offer set to the user.

[0159] While primarily described herein with respect to an exemplary system and method for transactions in a debt settlement scenario, the invention and disclosure herein are not intended to be so limited. As noted, the present design may be employed in a variety of scenarios, further including but not limited to payment of other instruments, such as contractual obligations, payroll obligations, and so forth.

[0160] Note that while certain examples are provided herein, these examples are meant to be illustrative and not limiting as to the functionality of the present system and method. Other examples and implementations are possible

and this document should not be limited by the examples presented. Other examples of future payment transactions may be realized using the current design.

[0161] By the foregoing description, an improved system and method for enhanced transactions have been described. The improved system and method may be substantially or completely internet based such that the user can access the settlement server to resolve transactions, such as manage debt, from a platform providing, for example, Internet browsing capabilities.

[0162] The foregoing description of specific embodiments reveals the general nature of the disclosure sufficiently that others can, by applying current knowledge, readily modify and/or adapt the system and method for various applications without departing from the general concept. Therefore, such adaptations and modifications are within the meaning and range of equivalents of the disclosed embodiments. The phraseology or terminology employed herein is for the purpose of description and not of limitation.

What is claimed is:

1. A method for transacting a sale of at least one item between a user and a selling party, comprising:

enabling the user to contact a server arrangement configured to provide an amount of money required from the user to purchase the at least one item from the selling party;

causing the server arrangement to seek available financial information including information about the user's current financial condition from at least one financial information service such as a credit bureau;

processing data from the available financial information at the server arrangement using a rules based engine including rules established on behalf of the selling party; and

causing the server arrangement to present an offer set to the user based on at least one decision made by the rules based engine, the offer set comprising at least one individually selectable monetary offer selectable by the user including at least one decisioned monetary sale term determined based on the rules established on behalf of the selling party and available financial information, each individually selectable monetary offer selectable by a user to purchase at least one item.

2. The method of claim **1**, wherein the user contacts the server arrangement using one from a group comprising a personal digital assistant (PDA), wireless telephone, telephone, smart phone, tablet computing device, handheld PC, digital camera configured to receive and transmit data, and receiving/transmitting hardware configured to effectuate the transaction.

3. The method of claim **1**, wherein the available financial information comprises at least one selected from a group consisting of amount outstanding, user credit rating, existing user debt, and an available user bank balance.

4. The method of claim **1**, wherein the at least one item comprises at least one asset.

5. The method of claim **1**, wherein the at least one item comprises a plurality of items.

6. A method of selling at least one item, comprising:

enabling a user to contact a server arrangement configured to provide the user with an amount of money currently required to purchase at least one item from a selling party;

causing the server arrangement to seek available financial information including information about the user's current financial condition from a source external to the user and the server arrangement, and when financial information is available about the user's current financial condition, receiving the available financial information at the server arrangement;

processing available financial information at the server arrangement using rules established on behalf of the selling party; and

causing the server arrangement to present a transaction resolution offer set to the user, the transaction resolution offer set comprising at least one individually selectable monetary offer including at least one decisioned monetary transaction resolution term based on the rules established on behalf of the selling party and available financial information, each individually selectable monetary offer selectable by the user to result in a sale of the at least one item.

7. The method of claim **6**, wherein the user contacts the server arrangement using one from a group comprising a personal digital assistant (PDA), wireless telephone, telephone, smart phone, tablet computing device, handheld PC, digital camera configured to receive and transmit data, and receiving/transmitting hardware configured to effectuate the transaction.

8. The method of claim **6**, wherein the available financial information comprises at least one selected from a group consisting of amount outstanding, user credit rating, existing user debt, and an available user bank balance.

9. The method of claim **1**, wherein the at least one item comprises at least one asset.

10. The method of claim **1**, wherein the at least one item comprises a plurality of items.

11. A method of selling at least one item from a selling party to a user, comprising:

enabling the user to contact a server arrangement configured to provide sales information to the user, including an amount of money required to purchase the at least one item;

causing the server arrangement to seek financial information including information about the user's current financial condition from a financial information service such as a credit bureau, and when financial information is available, receiving the financial information at the server arrangement;

processing the financial information at the server arrangement using rules established on behalf of the selling party; and

causing the server arrangement to provide a transaction offer set to the user, the transaction offer set comprising at least one individually selectable monetary offer including at least one decisioned monetary sale term based on the rules established on behalf of the selling party and the financial information, each monetary sale term individually selectable by the user to sell the at least one item from the selling party to the user.

12. The method of claim **11**, wherein the user contacts the server arrangement using one from a group comprising a personal digital assistant (PDA), wireless telephone, telephone, smart phone, tablet computing device, handheld PC, digital camera configured to receive and transmit data, and receiving/transmitting hardware configured to effectuate the transaction.

13. The method of claim **11**, wherein the available financial information comprises at least one selected from a group consisting of amount outstanding, user credit rating, existing user debt, and an available user bank balance.

14. The method of claim **11**, wherein the at least one item comprises at least one asset.

15. The method of claim **11**, wherein the at least one item comprises a plurality of items.

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