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(54) Title: DOMAIN NAME SCHEME FOR CROSS-CHAIN INTERACTIONS IN BLOCKCHAIN SYSTEMS

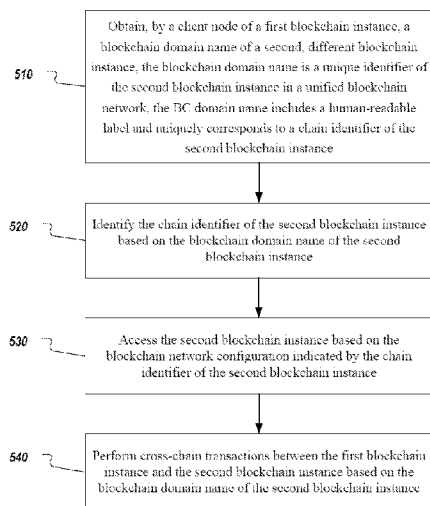


FIG. 5

(57) Abstract: A method comprising: Obtaining, by a client node of a first blockchain instance, a blockchain domain name of a second, different blockchain instance, wherein the blockchain domain name is a unique identifier of the second blockchain instance in a unified blockchain network including multiple blockchain instances that are communicatively linked by two or more relays, the blockchain domain name includes a human-readable label, and the blockchain domain name uniquely corresponds to a chain identifier of the second blockchain instance; identifying the chain identifier of the second blockchain instance based on the blockchain domain name of the second blockchain instance, wherein the chain identifier of the second blockchain instance indicates a blockchain network configuration of the second blockchain instance; and accessing, by the client node, the second blockchain instance based on the blockchain network configuration indicated by the chain identifier of the second blockchain instance.



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

WPI,EPODOC,CNPAT,CNKI:blockchain,instance,identifier,network,domain,name,configuration,cross,label

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	CN 108347486 A (ZHONGAN INFORMATION TECHNOLOGY SERVICE) 31 July 2018 (2018-07-31) description, pages 1-4	1-10
A	CN 108701145 A (NORTHERN TRUST CORPORATION) 23 October 2018 (2018-10-23) the whole document	1-10
A	CN 108665365 A (SICHUAN UNIVERSITY) 16 October 2018 (2018-10-16) the whole document	1-10
A	US 2018323980 A1 (IBM) 08 November 2018 (2018-11-08) the whole document	1-10

 Further documents are listed in the continuation of Box C. See patent family annex.

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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Information on patent family members

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Patent document cited in search report			Publication date (day/month/year)	Patent family member(s)			Publication date (day/month/year)
CN	108347486	A	31 July 2018	None			
CN	108701145	A	23 October 2018	EP	3458982	A1	27 March 2019
				US	2018287800	A1	04 October 2018
				WO	2018144150	A1	09 August 2018
				AU	2017352545	A1	23 August 2018
				SG	11201804022S	A	27 September 2018
CN	108665365	A	16 October 2018	None			
US	2018323980	A1	08 November 2018	None			