(19) World Intellectual Property Organization

International Bureau



(43) International Publication Date 9 December 2004 (09.12.2004)

(10) International Publication Number WO 2004/107580 A3

(51) International Patent Classification': G05B 19/00

H04Q 1/00,

English

(21) International Application Number:

PCT/US2004/016454

(22) International Filing Date: 21 May 2004 (21.05.2004)

(25) Filing Language:

(26) Publication Language: English

(30) Priority Data:

60/472,537 22 May 2003 (22.05.2003) US

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

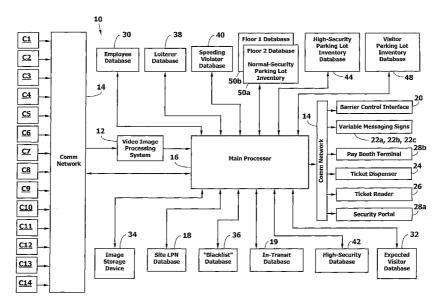
Published:

with international search report

(88) Date of publication of the international search report: 11 May 2006

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: AUTOMATED SITE SECURITY, MONITORING AND ACCESS CONTROL SYSTEM



(57) Abstract: A video system automatically monitors and controls of the ingress and egress of vehicles to and from a secure facility and various areas within the facility. A plurality of cameras (C1-C14), such as infrared-sensitive cameras, captures images of the license plates of vehicles traveling into and within the site. The video processing system (16) detects and extracts a license plate number (LPN). Based on the location of the camera and the (LPN) the processor (16) store the LPN with a time-stamp in one or more databases including an "intransit" database (19), an employee database (30), a blacklist database (36), a loiterer database (38), a speeder database (40), a high security database (42), a high security parking database (44), a normal parking database (50a and 50b) and a visitor parking lot database (48).

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/16454

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : H04Q 1/00; G05B 19/00				
US CL : 3405.71,932.2; 235/468				
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) U.S.: 3405.71,932.2; 235/468				
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)				
C. DOCL				
Category *	Citation of document, with indication, where ap		Relevant to claim No.	
Х	US 4603390 A (Mehdipour et al) 29 July 1986 (29.07	'.1986), see description of figures 1 and	1,2,4,5,10 and 11	
 Y	2.		3,6-9,12	
Y, E	US 6885311 B2 (Howard et al) 26 April 2005 (26.04.2005) col. 6 lines 35-60		3 and 7	
Y, E	US 6,747,687 B1 (ALVES) 08 June 2004 (08.06.2004)		6	
Y	US 5381155 A (Gerber) 10 January 1995 (10.01.1995) discussion of figures 5 and 6		8	
Y	US 6,340,935 B1 (Hall) 22 January 2002 (22.01.2002) col. 14 lines 1-9		9	
A, E	US 6,832,728 B2 (Kennedy) 21 December 2004 (21.12.2004) abstract		1-12	
A, E	US 20040036573A1(Fitzgobbon et al) 26 February 2004 (26.02.2004), see abstract		1-12	
Further documents are listed in the continuation of Box C. See patent family annex.				
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priority date claimed		"&" document member of the same patent family		
		Date of mailing of the international search report		
24 October 2005 (24.10.2005) Name and mailing address of the ISA/US Authorized officer				
	alling address of the ISA/US il Stop PCT, Attn: ISA/US	1/0		
Commissioner for Patents		Brian A. Zimmerman		
Alexandria, Virginia 22313-1430		Telephone No. 703-305-4700		
Facsimile No. (703) 305-3230				

Form PCT/ISA/210 (second sheet) (April 2005)