(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization

International Bureau



(43) International Publication Date 18 October 2007 (18.10.2007)

te PC'

(10) International Publication Number WO 2007/117378 A3

(51) International Patent Classification: *G01M 17/00* (2006.01) *G06F 7/00* (2006.01)

(21) International Application Number:

PCT/US2007/006404

- (22) International Filing Date: 13 March 2007 (13.03.2007)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:

11/377,164

16 March 2006 (16.03.2006) US

- (71) Applicant (for all designated States except US): SMART-DRIVE SYSTEMS, INC. [US/US]; 10655 Roselle Street, Suite 100, San Diego, CA 92121 (US).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): PLANTE, James [US/US]; 10655 Roselle Street, Suite 100, San Diego, CA 92121 (US).
- (74) Agent: SERAFINI, Franco, A.; Luce, Forward, Hamilton & Scripps LLP, 11988 El Camino Real, Suite 200, San Diego, CA 92130 (US).

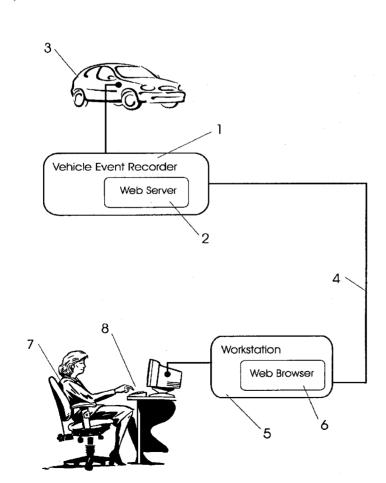
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR,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

[Continued on next page]

(54) Title: VEHICLE EVENT RECORDERS WITH INTEGRATED WEB SERVER



(57) Abstract: A vehicle event recorder (I) having an integrated web server (2) according to the present invention includes a user interface and control system that may be implemented with commercially available hardware and software. In one embodiment, a vehicle event recorder is coupled to a network having a workstation node. The workstation (5) employs a commercially available web server to perform a plurality of functions such as viewing, addressing, controlling, and transferring data through a data exchange executed according to simple IP protocols. When a vehicle equipped with a vehicle event recorder according to the present invention returns to a base, such as a user's home, a network connection is performed. A local server can display predefined system controls through web pages provided by the web server integrated with the vehicle event recorder unit.



WO 2007/117378 A3



 before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments 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.

 $\textbf{(88)} \ \ \textbf{Date of publication of the international search report:}$

17 January 2008

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US07/06404

A. CLASSIFICATION OF SUBJECT MATTER IPC: G01M 17/00(2006.01);G06F 7/00(2006.01)			
USPC: 701/29,33,35,36;340/425.5,426.16,426.2,438;709/203,213,219 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.: 701/29,33,35,36;340/425.5,426.16,426.2,438;709/203,213,219			
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) WEST:event recorder, video camera,microprocessor web server			
C. DOC	UMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where ap	ppropriate, of the relevant passages	Relevant to claim No.
Y	US 20050182824 A (COTTE) 18 August 2005 (18.08	3.2005), see paragraph 0017, 0053,	2-20
Y	0082. US 5,815,093 A (KIKINIS) 29 September 1998 (29.09.1998), see abstract, Fig.1. US 20050200714 A (MARCHESE) 15 September 2005 (15.09.2005) see abstract, paragraph 0006, 0036.		1-20
Further documents are listed in the continuation of Box C.		See patent family annex.	
 Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance 		"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention	
•	plication or patent published on or after the international filing date	"X" document of particular relevance; the considered novel or cannot be considered when the document is taken alone	
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)		"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination	
"O" document referring to an oral disclosure, use, exhibition or other means		being obvious to a person skilled in the	
"P" document published prior to the international filing date but later than the priority date claimed		"&" document member of the same patent family	
Date of the actual completion of the international search		Date of mailing of the international search report	
08 November 2007 (08.11.2007)		2 6 NUV 200/	
Name and mailing address of the ISA/US		Authorized officer	
Mail Stop PCT, Attn: ISA/US Commissioner of Patents		Gertrude A. Jeanglaude	
P.O. Box 1450		- , ,	
Alexandria, Virginia 22313-1450 Facsimile No. (571) 273-3201		Telephone No. (703) 308-1113	

Form PCT/ISA/210 (second sheet) (July 1998)