(19)

(12)





## (11) **EP 1 968 029 A3**

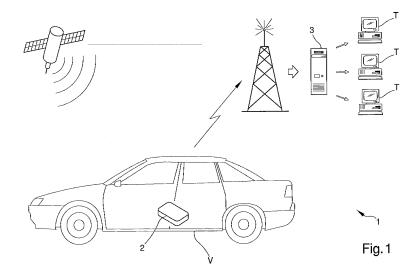
EUROPEAN PATENT APPLICATION

(88) Date of publication A3: (51) Int Cl.: G08G 1/017<sup>(2006.01)</sup> G07C 5/00 (2006.01) 14.10.2009 Bulletin 2009/42 G08G 1/123 (2006.01) (43) Date of publication A2: 10.09.2008 Bulletin 2008/37 (21) Application number: 08003918.3 (22) Date of filing: 03.03.2008 (84) Designated Contracting States: (71) Applicant: Meta System S.p.A. AT BE BG CH CY CZ DE DK EE ES FI FR GB GR 42100 Reggio Emilia (IT) HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT **RO SE SI SK TR** (72) Inventor: Simonazzi, Giuseppe **Designated Extension States:** 42100 Reggio Emilia (IT) AL BA MK RS (74) Representative: Feltrinelli, Secondo Andrea (30) Priority: 06.03.2007 IT MO20070075 APTA S.R.L. Via Giardini, 625 41100 Modena (IT)

# (54) System and method for detecting ways of using a vehicle, particularly for applications in the insurance field

(57) The system for detecting the ways of using a vehicle, particularly for applications in the insurance field or the like, comprising at least one electronic appliance installable on a vehicle and suitable for collecting data relating to the use of the vehicle and at least one remote recording and processing unit for recording and processing the collected data, wherein the appliance comprises at least one locator unit for locating the position of the vehicle having a satellite signal receiver, at least one measurement device for measuring the instantaneous acceleration of the vehicle along at least three distinct directions and at least one communication unit associated with the locator unit and with the measurement device and suitable for sending the collected position and instantaneous acceleration data of the vehicle to the remote unit.

The method for detecting the ways of using a vehicle, particularly for applications in the insurance field or the like, comprising the location of the position of a vehicle by means of a satellite signal receiver, the measuring of the instantaneous acceleration of the vehicle along at least three distinct directions and the sending of the collected position and instantaneous acceleration data of the vehicle to at least one remote recording and processing unit.



Printed by Jouve, 75001 PARIS (FR)



### **EUROPEAN SEARCH REPORT**

Application Number EP 08 00 3918

			D	elevant	
Category	of relevant passag			elevant claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	SYSTEM [CA]; BASIR C BULLOCK DA) 11 Augus * page 1, lines 10-3 * page 2, lines 10-3 * page 4, lines 12-1 * page 5, lines 12-3 * page 7, lines 1-7, * page 8, lines 18-2	st 2005 (2005-08-11) 32 * 32 * 9 * 32 * 25-32 * 26 *	25-		INV. G08G1/017 G07C5/00 G08G1/123
Y	* page 9, lines 15-2	2/ *		-21, ,24, ,41	
	* figure 1 *				
Y	US 2004/153362 A1 (E AL) 5 August 2004 (2	BAUER ALAN REX [US] ET 2004-08-05)		-21, ,24, ,41	
	<pre>* page 1, paragraph * page 2, paragraph * page 3, paragraph * page 4, paragraph * page 5, paragraph * page 6, paragraph * page 6, paragraph * page 11, paragraph * page 15, paragraph</pre>	13 * 15 * 51 * 88-114 * 117-127 * 158 * 201 *			TECHNICAL FIELDS SEARCHED (IPC) G08G G07C G06Q
X	WO 2006/073475 A (GL TECHNOLOGIES I [US]; TOMLJENOVIC JOHN) 13 July 2006 (2006-6 * page 2, paragraph * page 6, paragraph 27 *	; KNIGHT LEE [US]; 07-13)	18- 25-	9,11, -20, -27,38	
	The present search report has be	een drawn up for all claims			
	Place of search	Date of completion of the search	┸┯		Examiner
	Munich	4 September 2009		Flo	res-Jiménez, A
X : part Y : part docu A : tech	ATEGORY OF CITED DOCUMENTS icularly relevant if taken alone icularly relevant if combined with anothe ument of the same category nnological background -written disclosure	L : document cited f	cument te in the a or other	, but publis pplication r reasons	



#### **EUROPEAN SEARCH REPORT**

Application Number EP 08 00 3918

Category	Citation of document with indicatio of relevant passages	on, where appropriate,	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
Ą	EP 1 059 508 A (DATA TE TOKIO MARINE RISK CONSU TEC CO) 13 December 200 * column 2, paragraph 5 paragraph 10 * * column 8, paragraph 3 * column 20, paragraph	ULTING C [JP] DATA 00 (2000-12-13) 5 - column 3, 30 *	1-42	
Ą	US 2005/081629 A1 (HOSH 21 April 2005 (2005-04- * the whole document * 	AL GREGORY D [US]) 21) 	1-42	
				TECHNICAL FIELDS SEARCHED (IPC)
	The present search report has been d	rawn up for all claims		
	Place of search Munich	Date of completion of the search 4 September 2009	Flo	<sub>Examiner</sub> res-Jiménez, A
X : parti Y : parti docu	ATEGORY OF CITED DOCUMENTS icularly relevant if taken alone icularly relevant if oombined with another iment of the same category inological background	T : theory or principle E : earlier patent doou after the filing date D : dooument cited in L : dooument cited for	underlying the in ment, but publis the application other reasons	nvention

#### ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 08 00 3918

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

04-09-2009

	Patent document ed in search report		Publication date		Patent family member(s)		Publication date
WO	2005073926	A	11-08-2005	WO EP EP	2005073927 1709594 1709595	A1	11-08-200 11-10-200 11-10-200
US	2004153362	A1	05-08-2004	NONE			
WO	2006073475	A	13-07-2006	EP	1792290	A2	06-06-200
EP	1059508	A	13-12-2000	CN DE WO JP JP US	1290340 69937141 0034742 3044025 2000171267 6438472	T2 A1 B2 A	04-04-200 19-06-200 15-06-200 22-05-200 23-06-200 20-08-200
 US	2005081629	A1	21-04-2005	NONE			
			ficial Journal of the Eurc				