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(54) **Apparatus to monitor traffic**

(57) Apparatus to monitor vehicle traffic in a road (15), comprising sensor means able to detect the presence of vehicles (14) passing along the road (15) and to emit corresponding transit signals. The sensor means are arranged at intervals along a carriageway of the road

(15) and are connected to transceiver means (11) able to receive and process the transit signals in order to generate corresponding processed signals and to send them to at least a control unit (12), which is able to coordinate the transceiver means (11) and is connected to an operational center (13) which controls the traffic.

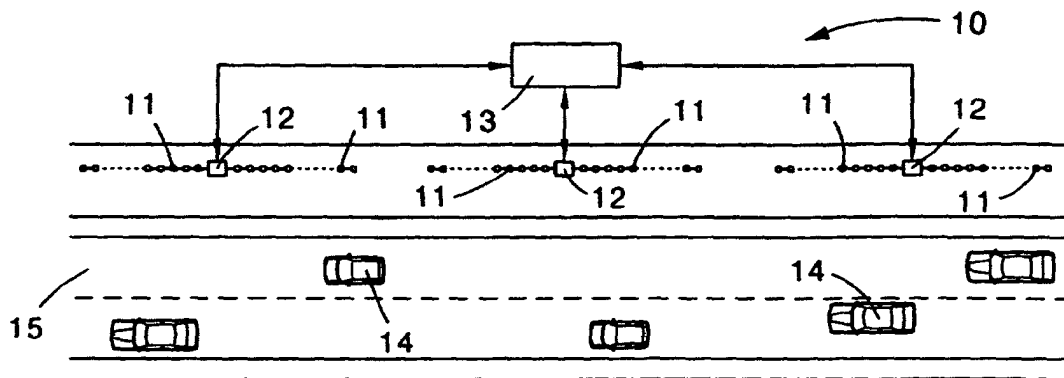


fig. 1



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EUROPEAN SEARCH REPORT

Application Number
EP 02 02 7395

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	DE 197 38 646 A (INST AUTOMATION UND KOMMUNIKAT) 11 March 1999 (1999-03-11)	1-5,9-12	G08G1/01 G08G1/04
Y		6,7	
A	* column 3, line 6-37 * * column 4, line 33-63 * * column 5, line 35 - column 8, line 19 * * figures 1,2 * ---	8,13	
X	GB 2 159 995 A (GEC AVIONICS) 11 December 1985 (1985-12-11) * page 1, line 60-69 *	1-3,9,10	
A	* page 1, line 108 - page 2, line 4 * * page 2, line 43-48 * ---	4-8, 11-13	
Y	DE 100 49 516 A (DENSO CORP) 12 April 2001 (2001-04-12) * column 9, line 55 - column 10, line 43 * * figures 2A,10,11 *	6,7	
	---		TECHNICAL FIELDS SEARCHED (Int.Cl.7)
X	EP 0 357 893 A (MESSERSCHMITT BOELKOW BLOHM) 14 March 1990 (1990-03-14)	1-3,8	G08G
A	* column 3, line 45 - column 5, line 33 * * figures 6,7 * ---	4-7,9-13	
X	DE 196 41 140 A (TUNGER HENRY) 28 May 1998 (1998-05-28)	1-3,9-11	
A	* column 1, line 30-57 * * column 3, line 64 - column 5, line 11 * * figures 1,5 * ---	4-8,12, 13	
	--- -/--		
The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 24 October 2003	Examiner Massalski, M
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p>			

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European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 02 02 7395

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X A	DE 41 02 381 A (ABB SERIENPRODUKTE GES M B H) 30 July 1992 (1992-07-30) * column 2, line 8 - column 3, line 1 * * column 3, line 40-46 * ---	1,3-5, 8-11 2,6,7, 12,13	
X A	US 5 107 250 A (PYKETT COLIN E) 21 April 1992 (1992-04-21) * abstract * ---	1,2 3-13	
A	FR 1 568 270 A (COMETA S.A.R.L.) 23 May 1969 (1969-05-23) * figure 1 * -----	1	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
Place of search MUNICH		Date of completion of the search 24 October 2003	Examiner Massalski, M
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

EPO FORM 1503 03 82 (P04C01)

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

EP 02 02 7395

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
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24-10-2003

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
DE 19738646	A	11-03-1999	DE 19738646 A1	11-03-1999
GB 2159995	A	11-12-1985	DE 3519531 A1	05-12-1985
DE 10049516	A	12-04-2001	JP 2001109989 A	20-04-2001
			DE 10049516 A1	12-04-2001
			US 2002158760 A1	31-10-2002
			US 6417781 B1	09-07-2002
EP 0357893	A	14-03-1990	DE 3830598 A1	22-03-1990
			EP 0357893 A2	14-03-1990
DE 19641140	A	28-05-1998	DE 19641140 A1	28-05-1998
DE 4102381	A	30-07-1992	DE 4102381 A1	30-07-1992
US 5107250	A	21-04-1992	DE 3007354 C1	28-12-2000
FR 1568270	A	23-05-1969	NONE	