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(54) **Traffic control and management system comprising infrared sensors**

(57) A traffic control and management system is described equipped with infrared TV cameras (or other functionally equivalent sensors) which efficiently maintain the traffic control and management system even at night and/or in conditions of poor visibility due to fog, smoke, dust etc.

The infrared (IR) sensors also permit anti-theft surveillance and detection of abnormal overheating and/or the beginnings of fire in vehicles in transit and/or on the stretch of road or motorway monitored.

Preferably but not necessarily, the infrared TV cameras are integrated with visual TV cameras.

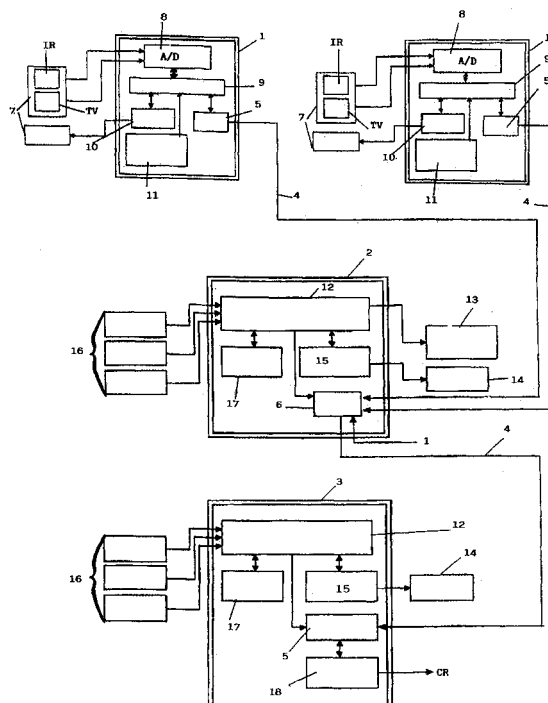


FIGURE 2



European Patent  
Office

# EUROPEAN SEARCH REPORT

Application Number  
EP 01 11 8116

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	US 5 416 711 A (GRAN RICHARD ET AL) 16 May 1995 (1995-05-16) * column 5, line 58 - column 6, line 24 * * column 8, line 38-48 * * column 9, line 20 - column 10, line 2 * ---	1-12	G08G1/04 G08G1/054
X	WO 98 19284 A (MOETTELI JOHN B ;KOOISTRA HESSEL M D III (US)) 7 May 1998 (1998-05-07) * page 6, line 13-20 * * page 15, line 2 - page 16, line 14 * * page 19, line 30 - page 20, line 4 * * figures 1,4 * ---	1-11	
X	US 5 440 109 A (HERING BERNHARD ET AL) 8 August 1995 (1995-08-08) * column 4, line 23-30 * * column 4, line 61-64 * * column 5, line 31-40 * ---	1,7,8	
X	WO 98 36398 A (BILLINGTON PETER ERIC ;TRAFFICMASTER PLC (GB); WAKEFIELD JONATHAN) 20 August 1998 (1998-08-20) * page 4, line 16-24 * * page 6, line 17 - page 7, line 7 * -----	1,7,8	TECHNICAL FIELDS SEARCHED (Int.Cl.7)  G08G
The present search report has been drawn up for all claims			
Place of search <b>THE HAGUE</b>		Date of completion of the search <b>7 February 2002</b>	Examiner <b>Flores Jiménez, A</b>
<b>CATEGORY OF CITED DOCUMENTS</b> 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 01 11 8116

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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07-02-2002

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5416711	A	16-05-1995	NONE	
WO 9819284	A	07-05-1998	AU 5424698 A EP 1070310 A2 WO 9819284 A2	22-05-1998 24-01-2001 07-05-1998
US 5440109	A	08-08-1995	DE 4310580 A1 AT 181436 T DE 59408408 D1 DK 625768 T3 EP 0625768 A2 JP 7006236 A	06-10-1994 15-07-1999 22-07-1999 22-11-1999 23-11-1994 10-01-1995
WO 9836398	A	20-08-1998	EP 0960412 A1 WO 9836398 A1 US 6177886 B1	01-12-1999 20-08-1998 23-01-2001