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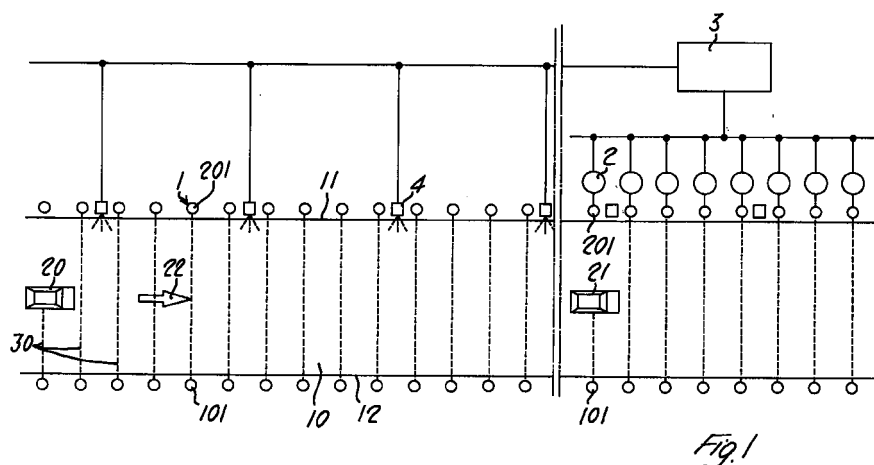
(54) **System for the detection and the signalling of objects on the roadway**

(57) System for the detection and the signalling of objects along the roadway, comprising:

a plurality of detection means (1, 1'), placed regularly spaced apart from each other along the roadway;;
control means (2, 2', 3), connected to the said detection means (1, 1'), said control means comprising means for transducing the signals received from the said detection means and means for the

selection of the said signals; and

a plurality of signalling means (4, 4'), placed regularly spaced apart from each other along the roadway, connected to the said control means (2, 2', 3) and comprising means for the emission of a signal (104, 204, 104'), said signal being addressed to the drivers in a certain portion of the roadway, at a given distance away from the event detected by a certain detection means (1).



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EUROPEAN SEARCH REPORT

Application Number
EP 98 10 2407

| 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.6) |
| X | DE 41 02 381 A (ABB SERIENPRODUKTE GES M B H) 30 July 1992 (1992-07-30) * column 3, line 28-43 * * column 4, line 21-65 * | 1-8 | G08G1/04 G08G1/16 |
| X | EP 0 565 992 A (PIETZSCH AG) 20 October 1993 (1993-10-20) * column 3, line 53 - column 4, line 3 * * column 6, line 11-19 * * column 7, line 34-45 * * column 18, line 13-49 * | 1,3,6-8 | |
| X | GB 2 269 694 A (CONNELL JOHN NEIL ;BRUNETTI VALERIO (IT); BRUNETTI ANREA (IT)) 16 February 1994 (1994-02-16) * page 1, line 21-26 * * page 1, line 45 - page 2, line 11 * * page 3, line 32-34 * * figure 1 * | 1-3,5,6,8 | |
| X | EP 0 575 907 A (MAGNETI MARELLI RETE SPA) 29 December 1993 (1993-12-29) * page 1, line 19-37 * | 1,10,11 | TECHNICAL FIELDS SEARCHED (Int.Cl.6) G08G |
| X | DE 38 24 495 A (SCHATTA MARTIN) 22 February 1990 (1990-02-22) * column 1, line 65 - column 2, line 12 * * figure 3 * | 1,3,5 | |
| X | DE 28 45 088 A (BBC BROWN BOVERI & CIE) 24 April 1980 (1980-04-24) * the whole document * | 1,8,9 | |
| A | GB 2 237 134 A (SLORACH RODNEY BRUCE) 24 April 1991 (1991-04-24) * the whole document * | 1,2 | |
| The present search report has been drawn up for all claims | | | |
| Place of search THE HAGUE | | Date of completion of the search 3 April 2000 | Examiner Flores Jiménez, A |
| 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 (P04001)

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

EP 98 10 2407

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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03-04-2000

| Patent document cited in search report | | Publication date | Patent family member(s) | Publication date |
|---|---|---------------------|----------------------------|---------------------|
| DE 4102381 | A | 30-07-1992 | NONE | |
| EP 0565992 | A | 20-10-1993 | DE 4212341 A | 14-10-1993 |
| | | | DE 4244169 A | 30-06-1994 |
| | | | DE 4244393 C | 17-03-1994 |
| | | | HU 70249 A | 28-09-1995 |
| | | | US 5673039 A | 30-09-1997 |
| GB 2269694 | A | 16-02-1994 | IT RM920507 A | 07-01-1994 |
| EP 0575907 | A | 29-12-1993 | IT 1254595 B | 28-09-1995 |
| DE 3824495 | A | 22-02-1990 | NONE | |
| DE 2845088 | A | 24-04-1980 | CH 634430 A | 31-01-1983 |
| GB 2237134 | A | 24-04-1991 | NONE | |