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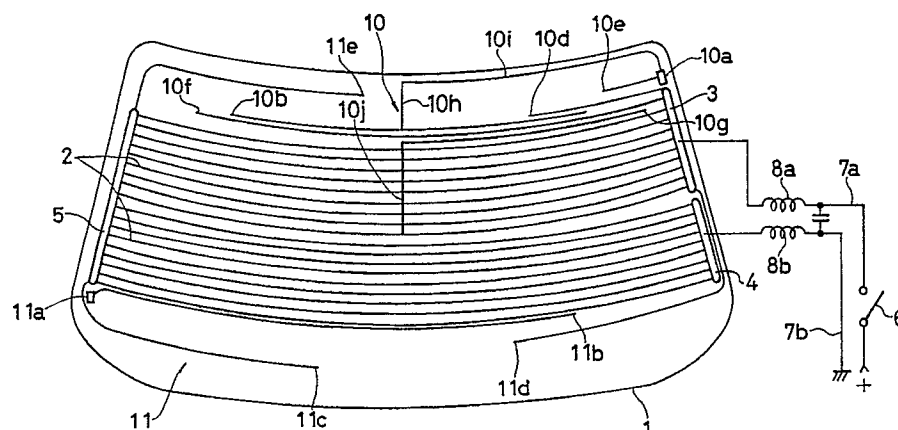
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(54) **Window antenna.**

(57) A pair of antenna conductors (10, 11) are formed on upper and lower blank portions outside an area where defogging heater wires (2) are attached on a window glass (1) of a motor vehicle. One of the antenna conductors (11b) is RF-coupled with the defogging heater wires (2) and a feed terminal (11a) thereof is located at a lateral side of the glass. The other antenna conductor (10) has a feed terminal

(10a) located at another lateral side of the glass. The two reception signals complement with each other in directivity due to asymmetric characteristic of the antenna conductors (10, 11) and are used in a diversity reception system for obtaining a nondirectional reception characteristic.

FIG. 1



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EUROPEAN SEARCH REPORT

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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.5)
Y	US-A-4439771 (KUME ET AL) * abstract; figures 6, 8 * * column 8, lines 31 - 36 * ---	1	H01Q1/12
Y	PATENT ABSTRACTS OF JAPAN vol. 007, no. 162 (E-187) 15 July 1958, & JP-A-58 070644 (TOYOTA JIDOSHA KOGYO KK) 27 April 1983, * the whole document * ---	1	
A	PATENT ABSTRACTS OF JAPAN vol. 7, no. 162 (E-187)(1307) 15 July 1983, & JP-A-58 070647 (TOYOTA JIDOSHA KOGYO KK) 27 April 1983, * the whole document * ---	3, 7	
A	PATENT ABSTRACTS OF JAPAN vol. 5, no. 99 (E-63)(771) 26 June 1981, & JP-A-56 042401 (NIPPON ITA GLASS K.K) 20 April 1981, * the whole document * ---	6	
P,A	DE-A-3921413 (PIONEER ELECTR. CORP.) * column 1, lines 38 - 48; figure 1 * -----	1, 3	TECHNICAL FIELDS SEARCHED (Int. Cl.5) H01Q H04B
The present search report has been drawn up for all claims			
Place of search BERLIN		Date of completion of the search 01 MARCH 1991	Examiner DANIELIDIS S.
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 I : document cited for other reasons ----- & : member of the same patent family, corresponding document			