

Title (en)

Antenna for mounting on a non-conductive surface, such as a window of a vehicle.

Title (de)

Antenne zur Befestigung auf einer nichtleitenden Oberfläche, z.B. auf der Scheibe eines Fahrzeuges.

Title (fr)

Antenne pour fixation sur une surface isolante telle qu'une glace d'un véhicule.

Publication

**EP 0358529 A1 19900314 (EN)**

Application

**EP 89309161 A 19890908**

Priority

GB 8821171 A 19880909

Abstract (en)

A communications antenna for mounting on a non-conductive surface, such as a window (20), of a vehicle, in which signals are passed between a transmission line (10) and the radiator element (21) of the antenna via a capacitive element (C3) comprising two conductive coupling elements (16, 17) disposed on opposite surfaces (18, 19) of the window (20). The transmission line (10) is coupled to the conductive coupling member (16) on the interior surface of the window (20) by a tuned circuit (L1 C1) and a further capacitive element (C2) which match the impedance of the transmission line (10) and maximises the transmission of signals between the antenna and the transmission line.

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IPC 8 full level

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CPC (source: EP)

**H01Q 1/1285** (2013.01)

Citation (search report)

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- [XP] US 4825217 A 19890425 - CHOI YOUNG J [KR]
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- [A] TELECOMMUNICATIONS & RADIO ENGINEERING, vol. 40/41, no. 10, October 1986, pages 144-146, Scripta Technica, Inc., Silver Spring, Maryland, US; G.G. CHAVKA et al.: "Synthesis of multiband matching networks"

Cited by

FR2898715A1; EP0542473A1; EP0642189A1; FR2709604A1; US5307076A

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