

Title (en)

Window antenna system with an antenna signal amplifier.

Title (de)

Scheibenantennensystem mit Antennenverstärker.

Title (fr)

Antenne de fenêtre avec amplificateur d'antenne.

Publication

EP 0392969 B1 19931222 (DE)

Application

EP 90710007 A 19900321

Priority

DE 3911178 A 19890406

Abstract (en)

[origin: EP0392969A1] A system having at least two antennas for frequencies up to the UHF band in a non-conductive surface which is installed in a metallic body, having antenna conductors, fitted on or in the non-conducting surface, with antenna conductor terminals and antenna four-pole networks, each having a first input and output terminal. The antenna four-pole networks (5a, 5b) are fitted in the metallic vehicle body (2) on, in or in the vicinity of the non-conductive surface (1, 12) and the antenna conductor terminal (4a, 4b) of an antenna conductor (3a, 3b) is connected in as short a manner as possible in each case to the first input terminal (6a, 6b) of the associated antenna four-pole network (5a, 5b) and in each case the second input terminal (7a, 7b) of the antenna four-pole network (5a, 5b) is connected in as short a manner as possible to the second output terminal (9a, 9b) of the respective antenna four-pole network (5a, 5b). In addition, at least one radio-frequency output line (10) is present, which is fitted on or in the non-conductive surface (1). This radio-frequency output line (10) is connected to the first and to the second output terminal (8a and 9a) of one of the antenna four-pole networks (5a). In addition, on the non-conductive surface (1) there is a junction point (11) for the output signals of the antenna four-pole networks (5a, 5b) from which these output signals, or signals derived therefrom, are guided in a single cable strand (14) to the conductive body (2) having the ground point (15).

IPC 1-7

H01Q 1/12; **H01Q 1/32**

IPC 8 full level

H01Q 1/12 (2006.01); **H01Q 1/32** (2006.01)

CPC (source: EP US)

H01Q 1/1271 (2013.01 - EP US)

Cited by

EP1225653A3; EP1617505A1; EP0608554A1; EP0800228A1; EP0559196A1; US5334989A; EP0766338A1; US5867128A; CN1127776C

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