

Title (en)  
ANTENNA WITH A VERTICAL STRUCTURE FOR FORMATION OF AN EXTENSIVE FLAT CAPACITY

Publication  
**EP 0396033 A3 19910807 (DE)**

Application  
**EP 90108025 A 19900427**

Priority  
DE 3914424 A 19890501

Abstract (en)  
[origin: EP0396033A2] Antenna for frequencies above the high-frequency band having one or more antenna conductors (6, 6a,b,c), in the form of wires, which are connected to one another in radio-frequency terms at one end, and an antenna connecting point (8), the antenna being arranged together with a heating panel in a windowpane, for example a motor vehicle window (1) with window heating. The heating panel is formed by heating conductors (5), in the form of wires, which are routed essentially parallel to one another and which are connected at the ends adjacent to the edges of the window in each case by a busbar (4a,b), running at right angles to the heating conductors, for supplying the DC heating current. The antenna conductors (6, 6a,b,c) are routed partially inside the heating panel, where they are at right angles to the heating conductors (5) to which they are connected in a low resistance manner in terms of radio frequencies at the intersection points (25) and thus, with the adjacent sections of the same, form an antenna surface (10) acting capacitively. A second part of the antenna conductors (7, 7a,b,c), in the form of wires, is connected in a low resistance manner in terms of radio frequencies to one of the first conductor parts and is routed at the other end to the antenna connecting point (8).  
<IMAGE>

IPC 1-7  
**H01Q 1/12**

IPC 8 full level  
**H01Q 1/12** (2006.01); **H01Q 21/28** (2006.01)

CPC (source: EP US)  
**H01Q 1/1271** (2013.01 - EP US); **H01Q 1/1278** (2013.01 - EP US); **H01Q 21/28** (2013.01 - EP US)

Citation (search report)

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