

Title (en)  
Flat antenna arrangement

Title (de)  
Flachantennen-Anordnung

Title (fr)  
Système d'antenne plane

Publication  
**EP 0740361 B1 19980304 (DE)**

Application  
**EP 95119434 A 19951209**

Priority  
• DE 19514556 A 19950420  
• DE 19546010 A 19951209

Abstract (en)  
[origin: EP0740361A1] The antenna uses a stripline patch antenna (1a,3) for the global positioning system, provided by a dielectric plate with a partial metallisation and a mobile radio antenna, provided by a conductor plate (6a) at a defined spacing from a planar earth reference surface (8), coupled to the latter via a short-circuit strip (7a) at one side edge. The global positioning system antenna extends above the conductor plate, with both enclosed between a metal base plate (9) and a random, forming a flat module, secured to a flat metal surface of the vehicle body, e.g. the roof..

IPC 1-7  
**H01Q 1/12**; **H01Q 1/32**; **H01Q 5/00**

IPC 8 full level  
**H01Q 1/12** (2006.01); **H01Q 1/32** (2006.01); **H01Q 5/00** (2006.01); **H01Q 5/40** (2015.01); **H01Q 9/04** (2006.01); **H01Q 21/28** (2006.01)

CPC (source: EP US)  
**H01Q 1/3275** (2013.01 - EP US); **H01Q 5/40** (2015.01 - EP US); **H01Q 9/0407** (2013.01 - EP US); **H01Q 21/28** (2013.01 - EP US)

Cited by  
DE19924349A1; DE10064128A1; EP0977307A1; DE102016108188A1; DE102016108188B4; CN112928496A; DE29823087U1; DE19646100A1; US5929812A; EP0841715A3; US6861988B2

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