

Title (en)  
Miniaturised microwave antenna

Title (de)  
Miniaturisierte Mikrowellenantenne

Title (fr)  
Antenne radioélectrique miniaturisée

Publication  
**EP 1195845 B1 20060503 (DE)**

Application  
**EP 01000519 A 20011005**

Priority  
DE 10049844 A 20001009

Abstract (en)  
[origin: EP1195845A2] The surface metallising is formed by a feed (12) for electromagnetic energy to be emitted, at least one metallising structure (30) and a conductive track (20) extending along the substrate (10) periphery and coupling the feed to the metallising structure. The metallising structure contains a first conductive track section (31), extending at the substrate side, opposite to the feed, up to the feed, as well as a first metallising platelet (32). The metallising structure is located on one front face of the rectangular substrate. Independent claims are included for a printed circuit board and mobile telephone.

IPC 8 full level  
**H01Q 1/24** (2006.01); **H01Q 1/36** (2006.01); **H01Q 1/38** (2006.01); **H01Q 5/00** (2006.01); **H01Q 5/357** (2015.01); **H01Q 5/40** (2015.01); **H01Q 9/04** (2006.01); **H01Q 9/30** (2006.01); **H01Q 9/40** (2006.01); **H01Q 13/08** (2006.01); **H05B 6/72** (2006.01)

CPC (source: EP KR US)  
**H01Q 1/243** (2013.01 - EP US); **H01Q 1/38** (2013.01 - EP US); **H01Q 5/357** (2015.01 - EP US); **H01Q 5/40** (2015.01 - EP US); **H01Q 9/045** (2013.01 - EP US); **H01Q 13/08** (2013.01 - KR); **H01Q 21/30** (2013.01 - EP US)

Cited by  
EP2139130A4; EP2028717A1

Designated contracting state (EPC)  
DE FR GB IT

DOCDB simple family (publication)  
**EP 1195845 A2 20020410; EP 1195845 A3 20040102; EP 1195845 B1 20060503**; CN 1349277 A 20020515; DE 10049844 A1 20020411; DE 50109679 D1 20060608; JP 2002185231 A 20020628; JP 4017852 B2 20071205; KR 20020028800 A 20020417; TW 529206 B 20030421; US 2002067312 A1 20020606; US 2004130495 A1 20040708; US 6680700 B2 20040120

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**EP 01000519 A 20011005**; CN 01130324 A 20011006; DE 10049844 A 20001009; DE 50109679 T 20011005; JP 2001309530 A 20011005; KR 20010061867 A 20011008; TW 90126272 A 20011024; US 74070303 A 20031219; US 97330801 A 20011009