

Title (en)  
Miniaturised microwave antenna

Title (de)  
Miniaturisierte Mikrowellenantenne

Title (fr)  
Antenne radioélectrique miniaturisée

Publication  
**EP 1195845 A3 20040102 (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 1-7  
**H01Q 1/38**; **H01Q 9/04**; **H01Q 5/00**; **H01Q 1/24**

IPC 8 full level  
**H05B 6/72** (2006.01); **H01Q 1/24** (2006.01); **H01Q 1/36** (2006.01); **H01Q 1/38** (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)

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)

Citation (search report)

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- [A] US 6028567 A 20000222 - LAHTI SAKU [FI]
- [A] PATENT ABSTRACTS OF JAPAN vol. 2000, no. 03 30 March 2000 (2000-03-30)
- [A] PATENT ABSTRACTS OF JAPAN vol. 014, no. 401 (E - 0971) 30 August 1990 (1990-08-30)

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**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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