

Title (en)

ANTENNA, USE OF AN ANTENNA OF THIS TYPE AND METHOD FOR PRODUCING THE SAME

Title (de)

ANTENNE, VERWENDUNG EINER DERARTIGEN ANTENNE UND VERFAHREN ZUR HERSTELLUNG EINER DERARTIGEN ANTENNE

Title (fr)

ANTENNE, SON UTILISATION ET SON PROCEDE DE PRODUCTION

Publication

**EP 1090437 B1 20020904 (DE)**

Application

**EP 00934860 A 20000403**

Priority

- DE 0001023 W 20000403
- DE 19918060 A 19990421

Abstract (en)

[origin: WO0065684A2] The inventive antenna comprises first and second convexly bent antenna elements (2, 3) which are connected in series by web segments (4, 5) in such a way as to reproduce the shape of a helix, said web segments running in the longitudinal direction of the antenna. An additional antenna element (6) can extend parallel to this helical arrangement. The antenna can be punched from a single metal part and bent into the desired shape, and is especially suitable for multiband applications.

IPC 1-7

**H01Q 1/00**

IPC 8 full level

**H01Q 1/00** (2006.01); **H01Q 1/24** (2006.01); **H01Q 1/36** (2006.01); **H01Q 5/371** (2015.01); **H01Q 5/378** (2015.01)

CPC (source: EP US)

**H01Q 1/243** (2013.01 - EP US); **H01Q 1/244** (2013.01 - EP US); **H01Q 1/362** (2013.01 - EP US); **H01Q 5/371** (2015.01 - EP US); **H01Q 5/378** (2015.01 - EP US)

Citation (examination)

- EP 0893841 A1 19990127 - MATSUSHITA ELECTRIC IND CO LTD [JP]
- PATENT ABSTRACTS OF JAPAN vol. 007, no. 251 (E - 209) 8 November 1983 (1983-11-08)

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**WO 0065684 A2 20001102**; **WO 0065684 A3 20010301**; CN 1162940 C 20040818; CN 1310868 A 20010829; DE 50000439 D1 20021010; EP 1090437 A1 20010411; EP 1090437 B1 20020904; US 2001005183 A1 20010628; US 6501438 B2 20021231

DOCDB simple family (application)

**DE 0001023 W 20000403**; CN 00800642 A 20000403; DE 50000439 T 20000403; EP 00934860 A 20000403; US 74554200 A 20001221