

Title (en)

ANTENNA FOR HIGH FREQUENCY RADIO SIGNAL TRANSMISSION

Title (de)

ANTENNE ZUM ABSTRAHLEN VON HOCHFREQUENTEN FUNKSIGNALEN

Title (fr)

ANTENNE D'EMISSION DE SIGNAUX RADIOELECTRIQUES DE HAUTE FREQUENCE

Publication

**EP 0985248 A1 20000315 (DE)**

Application

**EP 98916829 A 19980303**

Priority

- DE 9800615 W 19980303
- DE 19722547 A 19970530

Abstract (en)

[origin: DE19722547A1] The invention relates to an antenna (6) for transmission of high frequency signals in a confined space (3, 4), the emission cone (5) being determined by a dielectric lens (12) around the primary transmitter (13), which dielectric lens (13) is comprised of an internal shell (9) adjusted to said space and an external hemispherical shell (10). Preferably, the antenna (6) is used in the base station (1) of a telecommunication system, whereby said base station (1) and several mobile stations (2) communicate with each other by means of radio signals.

IPC 1-7

**H01Q 19/06**; **H01Q 19/08**; **H01Q 15/02**; **H01Q 15/08**

IPC 8 full level

**H01Q 1/00** (2006.01); **H01Q 1/42** (2006.01); **H01Q 15/02** (2006.01); **H01Q 15/08** (2006.01); **H01Q 19/06** (2006.01); **H01Q 19/08** (2006.01)

CPC (source: EP KR US)

**H01Q 1/007** (2013.01 - EP US); **H01Q 1/42** (2013.01 - EP US); **H01Q 15/02** (2013.01 - KR); **H01Q 15/08** (2013.01 - EP US); **H01Q 15/16** (2013.01 - KR); **H01Q 19/06** (2013.01 - KR); **H01Q 19/062** (2013.01 - EP US)

Citation (search report)

See references of WO 9854788A1

Cited by

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**DE 19722547 A1 19981203**; DE 59801877 D1 20011129; EP 0985248 A1 20000315; EP 0985248 B1 20011024; ES 2166599 T3 20020416; JP 2002500835 A 20020108; KR 100552258 B1 20060215; KR 20010020361 A 20010315; TW 413965 B 20001201; US 6310587 B1 20011030; WO 9854788 A1 19981203

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