

Title (en)

ANTENNA COMPRISING AT LEAST ONE DIPOLE OR DIPOLE-LIKE EMITTING DEVICE

Title (de)

ANTENNE MIT ZUMINDEST EINEM DIPOL ODER EINER DIPOLÄHNLICHEN STRAHLERANORDNUNG

Title (fr)

ANTENNE COMPRENANT AU MOINS UN DIPOLE OU UN DISPOSITIF EMETTEUR DE TYPE DIPOLE

Publication

**EP 1588454 A1 20051026 (DE)**

Application

**EP 04717091 A 20040304**

Priority

- EP 2004002206 W 20040304
- DE 10316564 A 20030410

Abstract (en)

[origin: US6933906B2] An improved antenna having at least one dipole or an antenna element arrangement which is similar to a dipole is distinguished in that the antenna element arrangement is connected capacitively and/or electrically conductively without touching to the reflector or to a reflector or a substrate which is non-conductive at least in the area in which the antenna element arrangement is attached or mounted.

IPC 1-7

**H01Q 19/10**; **H01Q 21/06**; **H01Q 21/24**

IPC 8 full level

**H01Q 1/24** (2006.01); **H01Q 15/14** (2006.01); **H01Q 19/10** (2006.01); **H01Q 21/06** (2006.01); **H01Q 21/08** (2006.01); **H01Q 21/24** (2006.01); **H01Q 21/26** (2006.01)

CPC (source: EP US)

**H01Q 1/246** (2013.01 - EP US); **H01Q 19/10** (2013.01 - EP US); **H01Q 21/08** (2013.01 - EP US); **H01Q 21/26** (2013.01 - EP US)

Cited by

DE102015115892A1; CN111641048A; DE102006037518B3; US8350775B2; US7679576B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**US 2004201537 A1 20041014**; **US 6933906 B2 20050823**; AT E329385 T1 20060615; BR PI0409222 A 20060328; CN 2658957 Y 20041124; DE 10316564 A1 20041104; DE 10316564 B4 20060309; DE 502004000716 D1 20060720; EP 1588454 A1 20051026; EP 1588454 B1 20060607; EP 1588454 B9 20100217; ES 2267055 T3 20070301; TW 200501509 A 20050101; TW I271001 B 20070111; WO 2004091050 A1 20041021

DOCDB simple family (application)

**US 44126503 A 20030520**; AT 04717091 T 20040304; BR PI0409222 A 20040304; CN 03272856 U 20030704; DE 10316564 A 20030410; DE 502004000716 T 20040304; EP 04717091 A 20040304; EP 2004002206 W 20040304; ES 04717091 T 20040304; TW 93105788 A 20040305