

Title (en)

Antenna including magnetic and capacitive radiator

Title (de)

Antenne mit magnetischem und kapazitivem Strahler

Title (fr)

Antenne comportant une source magnétique et capacitive

Publication

**EP 1672735 A1 20060621 (DE)**

Application

**EP 05405709 A 20051220**

Priority

CH 21042004 A 20041220

Abstract (en)

The antenna has a combination of a magnetic beam (7, 20, 22) with a capacitive emitter (17a, 17b). The capacitive emitters are attached at the periphery of the magnetic emitters. A constructional structure is provided by a symmetry plane for an energy feeding input of a capacitive emitter and a magnetic emitter as well as a tunable auxiliary capacity. The energy feeding input and the auxiliary capacity and a co-ordination device are not in a symmetric plane to the auxiliary capacity.

IPC 8 full level

**H01Q 7/00** (2006.01); **H01Q 21/29** (2006.01)

CPC (source: EP)

**H01Q 7/005** (2013.01); **H01Q 21/29** (2013.01)

Citation (applicant)

- DE 8812235 U1 19890126
- WO 0025385 A1 20000504 - MCLEAN JAMES STUART [US], et al

Citation (search report)

- [X] DE 8812235 U1 19890126
- [X] WO 0025385 A1 20000504 - MCLEAN JAMES STUART [US], et al
- [X] US 6437750 B1 20020820 - GRIMES CRAIG A [US], et al
- [X] US 2004095280 A1 20040520 - POILASNE GREGORY [US], et al
- [X] US 3740753 A 19730619 - MONOLA W
- [X] US 2657312 A 19531027 - CESARE SARANGA
- [X] US 1589344 A 19260622 - AKERS MILTON K

Cited by

JP2009520432A; US8164528B2; US8462061B2; WO2009118565A1; US8144065B2; US8149173B2; US9431708B2; US8654021B2; US8654022B2; US8654023B2; US8164532B1; US9252487B2; US10454170B2

Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 1672735 A1 20060621**; **EP 1672735 B1 20091007**; AT E445241 T1 20091015; CH 702226 B1 20110531; DE 502005008273 D1 20091119

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