

Title (en)

ANTENNA ARRAY WITH SEVERAL VERTICALLY SUPERPOSED PRIMARY RADIATOR MODULES

Title (de)

ANTENNENARRAY MIT MEHREREN VERTIKAL ÜBEREINANDER ANGEORDNETEN PRIMÄRSTRAHLER-MODULEN

Title (fr)

RESEAU D'ANTENNES A PLUSIEURS MODULES EXCITATEURS SUPERPOSES

Publication

**EP 1082781 B1 20020306 (DE)**

Application

**EP 99926351 A 19990520**

Priority

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- EP 9903483 W 19990520

Abstract (en)

[origin: DE19823750A1] An improved antenna array comprises at least two vertically superposed primary radiator modules (1, 3) located in front of a reflector (5), and is characterised as follows: At least one first primary radiator module (1) of a first type and at least one second primary radiator module (3) of a second type are provided, these being vertically superposed at a distance; the primary radiator module(s) (1) of the first type has/have a different horizontal half-value width to the primary radiator module(s) (3) of the second type, so that it is possible to obtain a different horizontal total half-width value of the whole antenna; and the primary radiator module(s) (1) of the first type have a different constructional configuration to the primary radiator module(s) (3) of the second type.

IPC 1-7

**H01Q 21/29**; **H01Q 21/10**; **H01Q 1/24**

IPC 8 full level

**H01Q 1/24** (2006.01); **H01Q 21/10** (2006.01); **H01Q 21/29** (2006.01)

CPC (source: EP KR US)

**H01Q 1/246** (2013.01 - EP US); **H01Q 21/10** (2013.01 - EP US); **H01Q 21/29** (2013.01 - EP KR US)

Cited by

DE102004025904B4; US6940465B2; US7075498B2; DE102016123997A1

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**DE 19823750 A1 19991209**; AU 4364899 A 19991213; AU 751894 B2 20020829; BR 9910712 A 20010130; CA 2331416 A1 19991202; CA 2331416 C 20021210; CN 1134860 C 20040114; CN 1303529 A 20010711; DE 59900948 D1 20020411; EP 1082781 A1 20010314; EP 1082781 B1 20020306; ES 2174613 T3 20021101; HK 1038281 A1 20020308; KR 100697942 B1 20070320; KR 20010042251 A 20010525; US 6339407 B1 20020115; WO 9962138 A1 19991202

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