

Title (en)
Circular polarized antenna.

Title (de)
Zirkularpolarisierte Antenne.

Title (fr)
Antenne à polarisation circulaire.

Publication
EP 0512876 B1 19950705 (FR)

Application
EP 92400997 A 19920409

Priority
FR 9105569 A 19910507

Abstract (en)
[origin: EP0512876A1] An antenna producing, under circular polarisation, a radiation pattern which is axisymmetric about an axis (1) and exhibits a radiation minimum in the direction of this axis, characterised in that it comprises: - a reflective conductive surface (2), essentially axisymmetric about the axis, - a straight conductive wire (6) extending axially from a first end (7), situated level with this conductive surface and insulated from it, to a second end (8), this conductive wire being connected at its first end to a supply line (4, 5), and - a plurality of radiating arms (9, 10), each including a first portion (9) extending essentially in a radial plane (11) from the second end of the conductive wire, this first portion being, at its near end, connected electrically and directly to the conductive wire and being, at its far end, prolonged by a second portion (10) in the shape of a curvilinear wire typically being inscribed in a sphere centred on the said second end and whose general direction is inclined with respect to the said radial plane. <IMAGE>

IPC 1-7
H01Q 19/10

IPC 8 full level
H01Q 3/01 (2006.01); **H01Q 19/10** (2006.01); **H01Q 21/24** (2006.01); **H01Q 21/26** (2006.01)

CPC (source: EP US)
H01Q 19/108 (2013.01 - EP US); **H01Q 21/24** (2013.01 - EP US)

Cited by
FR2841388A1; FR2925233A1; FR2896919A1; FR2993413A1; US8022884B2; WO2009077529A3; WO2007088191A1; WO2004001900A1; US7123203B2; US8967150B2

Designated contracting state (EPC)
AT BE CH DE DK ES GB IT LI NL SE

DOCDB simple family (publication)
EP 0512876 A1 19921111; **EP 0512876 B1 19950705**; AT E124809 T1 19950715; CA 2067478 A1 19921108; CA 2067478 C 19961224; DE 69203288 D1 19950810; DE 69203288 T2 19951109; DK 0512876 T3 19950918; ES 2077369 T3 19951116; FR 2676311 A1 19921113; FR 2676311 B1 19931119; JP 2607203 B2 19970507; JP H05152842 A 19930618; NO 300300 B1 19970505; NO 921476 D0 19920413; NO 921476 L 19921109; US 5264861 A 19931123

DOCDB simple family (application)
EP 92400997 A 19920409; AT 92400997 T 19920409; CA 2067478 A 19920428; DE 69203288 T 19920409; DK 92400997 T 19920409; ES 92400997 T 19920409; FR 9105569 A 19910507; JP 14000492 A 19920501; NO 921476 A 19920413; US 87931192 A 19920507