

Title (en)
Omnidirectional antenna with steerable diagram

Title (de)
Rundstrahler mit schwenkbarem Richtdiagramm

Title (fr)
Antenne omnidirectionnelle configurable

Publication
EP 1551078 B1 20140402 (FR)

Application
EP 04300001 A 20040102

Priority
EP 04300001 A 20040102

Abstract (en)
[origin: EP1551078A1] The antenna has an omnidirectional antenna (11) transmitting and receiving electromagnetic radiation beam and having two conical surfaces around z axis. Discrete reflecting units (20) are associated to the antenna (11) and have variable reflectivity based on frequency of the beam. The units are disposed along concentric circles (31-34) centered on the axis, and have bars connected by diodes controlled by continuous voltage.

IPC 8 full level
H01Q 3/44 (2006.01); **H01Q 9/28** (2006.01)

CPC (source: EP US)
H01Q 3/446 (2013.01 - EP US); **H01Q 9/28** (2013.01 - EP US)

Designated contracting state (EPC)
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EP 1551078 A1 20050706; EP 1551078 B1 20140402; US 2005168391 A1 20050804; US 7123205 B2 20061017

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EP 04300001 A 20040102; US 2645004 A 20041230