

## Title (en)

Multi row antenna arrangement having a two dimensional omnidirectional transmitting and/or receiving profile

## Title (de)

Mehrreihige Antennenanordnung mit einem zweidimensionalen Rundum-Sende- und/oder -Empfangsprofil

## Title (fr)

Agencement d'antenne en plusieurs lignes doté d'un profil de transmission et/ou de réception bidimensionnel omnidirectionnel

## Publication

**EP 2077604 A1 20090708 (EN)**

## Application

**EP 08000022 A 20080102**

## Priority

EP 08000022 A 20080102

## Abstract (en)

It is described an antenna arrangement, in particular an antenna arrangement based on the principles Yagi antenna technology. The antenna arrangement (100) comprise a base element (110) having an upper surface (110a), an active antenna element (120), which is attached to the base element (110) and which extends substantially perpendicular to the upper surface (110a), and a plurality of passive antenna elements (121), which are attached to the base element (110) and which extend substantially perpendicular to the upper surface (110a). The active antenna element (120) is located in the center of the whole antenna arrangement (100) and the passive antenna elements (121) are arranged in at least four rows (125), whereby each row (125) extends radially outwards from the center in a different direction. It is further described a method for transmitting and/or for receiving electromagnetic radiation by means of an antenna arrangement as described above.

## IPC 8 full level

**H01Q 19/30** (2006.01); **H01Q 19/32** (2006.01)

## CPC (source: EP)

**H01Q 19/30** (2013.01); **H01Q 19/32** (2013.01)

## Citation (search report)

- [X] EP 0172626 A1 19860226 - CANADIAN PATENTS DEV [CA]
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- [A] MIGLIORE M D ET AL: "A Simple and Robust Adaptive Parasitic Antenna", IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, IEEE SERVICE CENTER, PISCATAWAY, NJ, US, vol. 53, no. 10, October 2005 (2005-10-01), pages 3262 - 3272, XP011140098, ISSN: 0018-926X

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## Designated contracting state (EPC)

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## Designated extension state (EPC)

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## DOCDB simple family (application)

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