

Title (en)

A CELLULAR RADIO ADAPTIVE ANTENNA ARRAY

Title (de)

ADAPTIVES ANTENNENARRAY FÜR DEN ZELLULARFUNK

Title (fr)

RESEAU CELLULAIRE D'ANTENNES ADAPTATIVES

Publication

**EP 1444752 A1 20040811 (EN)**

Application

**EP 02802987 A 20021031**

Priority

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- GB 0127415 A 20011115

Abstract (en)

[origin: WO03043123A1] . The present invention seeks to provide an antenna array with good diversity, gain and high directivity good adaptive beamforming, good angle estimation and good sector coverage. In accordance with a first aspect of the invention, there is provided an adaptive antenna array comprising a plurality of parallel spaced apart linear antenna arrays, wherein the parallel spaced apart linear antenna arrays are arranged in adjacent first 230 and second 240 groups. The spacing between the linear antenna arrays of each group differing between the groups, so that the separation between the elements of the first groups is of the order of 0.5 wavelength long and the separation of the elements in the second group being in the range of 1 - 10 wavelengths long.

IPC 1-7

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IPC 8 full level

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