

Title (en)

Multistandard multiband intelligent antenna system for cellular communications in multioperator environments

Title (de)

Multistandard Multiband intelligentes Antennensystem für zellulare Kommunikation in einem Multi-Operator-Umfeld

Title (fr)

Système d'antennes intelligentes multistandards et multibandes pour des communications cellulaires dans un environnement multiopérateurs

Publication

EP 1320146 B1 20060621 (EN)

Application

EP 02380159 A 20020711

Priority

ES 200102780 A 20011214

Abstract (en)

[origin: EP1320146A1] The architecture of the antenna enables the problems of conventional intelligent antennas to be resolved, and it is characterised by being: a) compatible with any base station, without it being necessary to change the latter when you wish to replace the conventional antenna by an intelligent antenna; b) modular, so that if it is necessary to increase the number or the bands of frequencies another base station does not have to be used, as it is enough to add new modules; c) multioperator, which implies that it can be used by both one operator and shared by several; d) multistandard, which implies that it can be shared for use with different cellular telecommunications standards. Specifically, the architecture (6) is formed of an array of antennas (7), a diplexer (8), and by modules for every one of the standards (10), (11) and (12), with these modules having radio frequency (13), radio software (14) and beam shaping (15) subsystems. <IMAGE>

IPC 8 full level

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CPC (source: EP)

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Cited by

KR20120022511A; CN100369389C; CN104521152A; CN103443997A; US9362973B2; US7868843B2; US10693528B1; US8457698B2; WO2010121715A1; WO2012141624A1; WO2005062476A1; WO2012094166A3; US7120465B2; US8289910B2; JP2014509100A; US8497814B2; US8754824B2; US9450305B2; US10211519B2; US10910699B2

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