

Title (en)

ANTENNA PATTERN SELECTION FOR OPTIMIZED COMMUNICATIONS AND AVOIDANCE OF PEOPLE

Publication

**EP 0567459 A4 19940824 (EN)**

Application

**EP 91919540 A 19911016**

Priority

US 64137391 A 19910115

Abstract (en)

[origin: WO9213398A1] An antenna selection technique is used in an RF communication system in which user modules (UM1-UM5) communicate with at least one node (N1-N2). The UM's (UM1-UM5) and nodes (N1, N2) each have multiple antennae. The combination of each UM and node antenna is evaluated at the UM. Based on at least signal quality, the UM (UM1-UM5) selects its antenna and the best node antenna for use. An alternate antenna is selected if a person is determined to be present in a predetermined area adjacent a UM (UM1-UM5) corresponding to a predetermined RF power level.

IPC 1-7

**H04B 7/00**

IPC 8 full level

**H04B 1/18** (2006.01); **H04B 7/00** (2006.01); **H04B 7/08** (2006.01); **H04B 7/26** (2006.01); **H04W 72/54** (2023.01); **H04W 16/24** (2009.01)

CPC (source: EP KR)

**H04B 7/00** (2013.01 - KR); **H04W 72/542** (2023.01 - EP); **H04B 7/088** (2013.01 - EP); **H04W 16/24** (2013.01 - EP); **H04W 72/02** (2013.01 - EP)

Citation (search report)

[X] FR 2390026 A1 19781201 - MOTOROLA INC [US]

Designated contracting state (EPC)

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DOCDB simple family (publication)

**WO 9213398 A1 19920806**; AU 653971 B2 19941020; AU 8875491 A 19920827; BR 9200101 A 19921006; CA 2098578 A1 19920716; CA 2098578 C 19970218; EP 0567459 A1 19931103; EP 0567459 A4 19940824; HU 9200132 D0 19920428; HU T62733 A 19930528; JP 2663717 B2 19971015; JP H06504416 A 19940519; KR 930703748 A 19931130; MX 9200163 A 19920701

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