

Title (en)

Mobile wireless communications device with human interface diversity antenna and related method of operating such a device

Title (de)

Mobiles drahtloses Kommunikationsgerät mit Mensch / Diversityantennen - Schnittstelle und zugehöriges Verfahren zum Betrieb eines derartigen Geräts

Title (fr)

Dispositif de communication sans fil mobile avec une interface antenne en diversité /homme et procédé de fonctionnement correspondant un tel dispositif

Publication

EP 1696503 A1 20060830 (EN)

Application

EP 05251173 A 20050228

Priority

EP 05251173 A 20050228

Abstract (en)

A mobile wireless communications device may include a portable handheld housing, and a wireless transceiver carried by the housing. A pair of antennas are positioned in side-by-side relation preferably in the upper portion of the portable handheld housing. A human interface diversity controller is connected to the wireless transceiver to preferentially operate with the plurality of antennas based upon a relative position of the portable handheld housing with respect to a hand of a human user. The device can select or weight the antennas based upon the position of the device when being held by a user.

IPC 8 full level

H01Q 1/24 (2006.01); **H01Q 3/24** (2006.01); **H01Q 21/28** (2006.01); **H04B 1/38** (2006.01); **H04B 7/08** (2006.01)

CPC (source: EP)

H01Q 1/243 (2013.01); **H01Q 1/245** (2013.01); **H01Q 3/24** (2013.01)

Citation (applicant)

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- WO 9724818 A1 19970710 - QUALCOMM INC [US]
- US 2004240419 A1 20041202 - ABRISHAMKAR FARROKH [US], et al
- EP 0987834 A2 20000322 - MATSUSHITA ELECTRIC IND CO LTD [JP]
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Citation (search report)

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR LV MK YU

DOCDB simple family (publication)

EP 1696503 A1 20060830; **EP 1696503 B1 20191120**; CA 2536427 A1 20060603; CA 2536427 C 20090908

DOCDB simple family (application)

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