

Title (en)

Mobile wireless communications device using wired headset as an antenna and related methods

Title (de)

Mobile drahtlose Kommunikationsvorrichtung mit einer verdrahteten Hörsprechgarnitur als Antenne und zugehörige Verfahren

Title (fr)

Dispositif mobile de communication sans fil doté d'un casque câblé au moyen d'une antenne et procédés associés

Publication

EP 2613407 A1 20130710 (EN)

Application

EP 12150411 A 20120106

Priority

EP 12150411 A 20120106

Abstract (en)

A mobile wireless communications device (10) may include a housing (13), and circuitry carried by the housing. The circuitry may include a wireless transceiver (11), a wireless broadcast receiver (12), audio circuitry (14) coupled to the wireless transceiver and the wireless broadcast receiver, a wired headset jack (15), and a reference voltage device line (17a), and at least one wired headset device line coupled between the audio circuitry and the wired headset jack. The reference voltage device line may be also coupled to the wireless broadcast receiver so that a corresponding reference voltage headset line (26a) of a wired headset (16) serves as an antenna for the wireless broadcast receiver. The reference voltage line may be switchable to one or more connectors at the headset jack.

IPC 8 full level

H01Q 1/46 (2006.01)

CPC (source: EP)

H01Q 1/46 (2013.01)

Citation (search report)

- [X] GB 2358990 A 20010808 - MOTOROLA INC [US]
- [A] US 5991637 A 19991123 - MACK II GAWINS A [US], et al
- [A] GB 2380861 B 20050810 - ROKE MANOR RESEARCH [GB]

Cited by

US8948685B2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2613407 A1 20130710; EP 2613407 B1 20210310; CA 2800421 A1 20130706; CA 2800421 C 20160503

DOCDB simple family (application)

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