

Title (en)
Mobile wireless communications device including antenna assembly having shorted feed points and inductor-capacitor circuit and related methods

Title (de)
Mobile drahtlose Kommunikationsvorrichtung mit Antennenanordnung mit kurzgeschlossenen Einspeisepunkten und Induktor-Kondensatorschaltung und zugehörige Verfahren

Title (fr)
Dispositif mobile de communication sans fil incluant en ensemble formant antenne doté de points d'alimentation à court-circuit et circuit inducteur-condensateur et procédés correspondants

Publication
EP 2498335 A1 20120912 (EN)

Application
EP 11157770 A 20110310

Priority
EP 11157770 A 20110310

Abstract (en)
A mobile wireless communications device may include a portable housing, at least one wireless transceiver carried by the portable housing, and at least one satellite positioning signal receiver carried by the portable housing. The device may also include an antenna assembly carried by the portable housing. The antenna assembly may include a base conductor having a pair of shorted antenna feed points defined therein and coupled to the at least one wireless transceiver and the at least one satellite positioning receiver, and a first conductor arm extending outwardly from the base conductor. The antenna assembly may also include a second conductor arm also extending outwardly from the base conductor. The second conductor arm may include a proximal conductor portion adjacent the base conductor, a distal conductor portion, and an inductor-capacitor circuit coupling the proximal and distal conductor portions.

IPC 8 full level
H01Q 1/24 (2006.01); **H01Q 5/00** (2006.01); **H01Q 5/321** (2015.01); **H01Q 5/371** (2015.01); **H01Q 9/04** (2006.01)

CPC (source: EP)
H01Q 1/243 (2013.01); **H01Q 5/321** (2015.01); **H01Q 5/371** (2015.01); **H01Q 9/0421** (2013.01)

Citation (search report)

- [IY] WO 9903168 A1 19990121 - ALLGON AB [SE], et al
- [YA] EP 0892459 A1 19990120 - NOKIA MOBILE PHONES LTD [FI]
- [YA] WO 02078123 A1 20021003 - ERICSSON TELEFON AB L M [SE], et al
- [YA] WO 02078124 A1 20021003 - ERICSSON TELEFON AB L M [SE], et al

Cited by
US2017005397A1; US10008764B2; FR3063150A1

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 2498335 A1 20120912; **EP 2498335 A9 20130626**; **EP 2498335 B1 20161221**; CA 2770798 A1 20120910; CA 2770798 C 20150630

DOCDB simple family (application)
EP 11157770 A 20110310; CA 2770798 A 20120309