

Title (en)
MOBILE RADIO ANTENNA

Title (de)
MOBILFUNKANTENNE

Title (fr)
ANTENNE DE TÉLÉPHONIE MOBILE

Publication
EP 3143664 A1 20170322 (DE)

Application
EP 15724939 A 20150507

Priority
• DE 102014007141 A 20140515
• EP 2015000933 W 20150507

Abstract (en)
[origin: WO2015172871A1] An improved mobile radio antenna that is suited to radio-frequency connections is distinguished inter alia by the following features: having a base module (1) that comprises a plurality of mounting sections (1a) that each contain an internally threaded hole (15'), having an attachment module (3) that has mounting sections (3a) with through-holes (17) made therein, having spacers (21) between the base module (1) and the attachment module (3), wherein the undercut (31, 131) a) is provided in the through-hole (17) in the attachment module (3) such that the diameter of the through-hole (17) merges into the undercut (31) with a greater diameter in the plug-in direction (20), or b) is provided in a second electrically conductive spacer (121) that is positioned on the attachment module (3) on the side that is opposite the first spacer (21), the second spacer (121) having a spacer hole (11) with an undercut (131) that broadens in the plug-in direction.

IPC 8 full level
H01Q 1/24 (2006.01); **H01Q 1/42** (2006.01)

CPC (source: CN EP US)
H01Q 1/02 (2013.01 - EP US); **H01Q 1/20** (2013.01 - US); **H01Q 1/246** (2013.01 - CN EP US); **H01Q 1/42** (2013.01 - CN EP US); **H01Q 15/14** (2013.01 - US); **H05K 7/20409** (2013.01 - EP US)

Citation (search report)
See references of WO 2015172871A1

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)
DE 102014007141 A1 20151119; CN 106463819 A 20170222; CN 106463819 B 20190705; EP 3143664 A1 20170322; US 10186748 B2 20190122; US 2017077587 A1 20170316; WO 2015172871 A1 20151119

DOCDB simple family (application)
DE 102014007141 A 20140515; CN 201580022927 A 20150507; EP 15724939 A 20150507; EP 2015000933 W 20150507; US 201515311318 A 20150507