

Title (en)
MOBILE RADIO ANTENNA

Title (de)
MOBILFUNK-ANTENNE

Title (fr)
ANTENNE RADIO MOBILE

Publication
EP 3306742 A1 20180411 (DE)

Application
EP 17193665 A 20170928

Priority
DE 102016011890 A 20161005

Abstract (en)
[origin: US2018097293A1] The present disclosure relates to an antenna for mobile communication comprising a plurality of first radiators and at least one second radiator, which are disposed on a common reflector plane, the first radiators each including a reflector environment raised relative to the reflector plane, wherein the second radiator is disposed between a plurality of first radiators and is formed by parts of the respective reflector environment of the first radiators surrounding it.

Abstract (de)
Die vorliegende Erfindung betrifft eine Mobilfunk-Antenne mit einer Mehrzahl von ersten Strahlern und mindestens einem zweiten Strahler, welche auf einer gemeinsamen Reflektorebene angeordnet sind, wobei die ersten Strahler jeweils eine gegenüber der Reflektorebene erhabene Reflektorumgebung aufweisen, wobei der zweite Strahler zwischen mehreren ersten Strahlern angeordnet ist und durch Teile der jeweiligen Reflektorumgebung der ihn umgebenden ersten Strahler gebildet wird.

IPC 8 full level
H01Q 1/24 (2006.01); **H01Q 5/42** (2015.01); **H01Q 19/10** (2006.01); **H01Q 21/06** (2006.01); **H01Q 21/26** (2006.01); **H01Q 25/00** (2006.01); **H01Q 5/49** (2015.01)

CPC (source: CN EP US)
H01Q 1/246 (2013.01 - CN EP US); **H01Q 1/36** (2013.01 - CN); **H01Q 1/50** (2013.01 - CN); **H01Q 3/46** (2013.01 - US); **H01Q 5/392** (2015.01 - US); **H01Q 5/42** (2013.01 - EP US); **H01Q 9/16** (2013.01 - CN); **H01Q 15/14** (2013.01 - US); **H01Q 19/104** (2013.01 - CN); **H01Q 19/108** (2013.01 - EP US); **H01Q 21/0006** (2013.01 - CN); **H01Q 21/062** (2013.01 - EP US); **H01Q 21/26** (2013.01 - EP US); **H01Q 21/30** (2013.01 - CN); **H01Q 25/001** (2013.01 - EP US); **H01Q 5/49** (2015.01 - EP US); **H01Q 9/44** (2013.01 - EP)

Citation (search report)

- [X1] FR 2863110 A1 20050603 - ARIALCOM [FR]
- [XA] EP 3067987 A1 20160914 - KMW INC [KR]
- [XA] US 2010171675 A1 20100708 - BORJA CARMEN [ES], et al
- [A] FR 2841390 A1 20031226 - JACQUELOT TECHNOLOGIES [FR]

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 3306742 A1 20180411; CN 107919522 A 20180417; DE 102016011890 A1 20180405; US 11362437 B2 20220614; US 2018097293 A1 20180405

DOCDB simple family (application)
EP 17193665 A 20170928; CN 201710930408 A 20171009; DE 102016011890 A 20161005; US 201715723562 A 20171003