

Title (en)

HORN ARRAY ANTENNA INCLUDING DIELECTRIC COVER

Title (de)

HORNGRUPPENANTENNE MIT DIELEKTRISCHER ABDECKUNG

Title (fr)

ANTENNE RÉSEAU À CORNET COMPRENANT UN COUVERCLE DIÉLECTRIQUE

Publication

EP 3518342 A4 20200527 (EN)

Application

EP 16918934 A 20161013

Priority

- KR 20160132281 A 20161012
- KR 2016011475 W 20161013

Abstract (en)

[origin: EP3518342A1] The purpose of the present invention is to provide a horn array antenna including a dielectric cover, capable of reinforcing a main lobe and effectively diminishing a grating lobe by only the further inclusion of the dielectric cover in the antenna, while not changing an antenna arrangement interval or arrangement structure in the horn array antenna.

IPC 8 full level

H01Q 15/08 (2006.01); **H01Q 13/02** (2006.01); **H01Q 19/06** (2006.01); **H01Q 21/06** (2006.01)

CPC (source: EP)

H01Q 13/02 (2013.01); **H01Q 15/08** (2013.01); **H01Q 19/06** (2013.01); **H01Q 21/064** (2013.01)

Citation (search report)

- [X] US 2006158382 A1 20060720 - NAGAI TOMOHIRO [JP]
- [A] US 6359595 B1 20020319 - ABRAHAM IAN A [GB], et al
- [A] KR 20120014457 A 20120217 - HYUNDAI MOBIS CO LTD [KR]
- See references of WO 2018070566A1

Cited by

CN113540806A; EP4172551A4; WO2023008268A1; WO2023276606A1

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

DOCDB simple family (publication)

EP 3518342 A1 20190731; **EP 3518342 A4 20200527**; WO 2018070566 A1 20180419

DOCDB simple family (application)

EP 16918934 A 20161013; KR 2016011475 W 20161013