

Title (en)
SURFACE WAVE ANTENNA SYSTEM

Title (de)
OBERFLÄCHENWELLENANTENNENSYSYSTEM

Title (fr)
SYSTÈME ANTENNAIRE À ONDES DE SURFACE

Publication
EP 3335268 A1 20180620 (FR)

Application
EP 16753413 A 20160722

Priority
• FR 1557655 A 20150810
• FR 2016051916 W 20160722

Abstract (en)
[origin: WO2017025674A1] The invention relates to a surface wave antenna system, comprising at least one antenna (22) electrically shorted in the vertical plane, having vertical or elliptical polarisation and being suitable for emitting/receiving radiation in at least one frequency band centred on a central frequency f_0 associated with a central wavelength λ_0 , said antenna (22) being connected to a conducting medium (28) having a substantially horizontal surface, the antenna system being characterised in that it further comprises at least one wired cover (30) of length greater than or equal to $0.8 \lambda_0$, electrically connected to at least one antenna (22) at the centre of the cover (30), and suitable for radiating at least at the central frequency f_0 of the antenna (22).

IPC 8 full level
H01Q 1/04 (2006.01); **H01Q 1/46** (2006.01); **H01Q 5/15** (2015.01); **H01Q 5/371** (2015.01); **H01Q 9/36** (2006.01); **H01Q 9/46** (2006.01)

CPC (source: EP)
H01Q 1/04 (2013.01); **H01Q 1/46** (2013.01); **H01Q 5/15** (2015.01); **H01Q 5/371** (2013.01); **H01Q 9/36** (2013.01); **H01Q 9/46** (2013.01)

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)
WO 2017025674 A1 20170216; EP 3335268 A1 20180620; EP 3335268 B1 20230719; EP 3335268 C0 20230719; ES 2958409 T3 20240208; FR 3040109 A1 20170217; FR 3040109 B1 20181005

DOCDB simple family (application)
FR 2016051916 W 20160722; EP 16753413 A 20160722; ES 16753413 T 20160722; FR 1557655 A 20150810