

Title (en)  
INDUCTIVE SURFACE ELEMENT

Title (de)  
INDUKTIVES OBERFLÄCHENELEMENT

Title (fr)  
ELEMENT DE SURFACE INDUCTIF

Publication  
**EP 2888784 A1 20150701 (FR)**

Application  
**EP 13762177 A 20130820**

Priority  
• FR 1202272 A 20120822  
• FR 2013051953 W 20130820

Abstract (en)  
[origin: WO2014029947A1] The invention relates to an inductive surface element that enables the propagation conditions of electromagnetic radiation to be modified. The inductive surface element includes a base plate (1) and secondary plates (2) which are arranged perpendicularly to the base plate. A surface wave is produced by the inductive surface element from an electromagnetic wave that has a free-space propagation mode, when the electric field of the free-space propagation wave is not parallel to the base plate, and when the inductive surface element is arranged close to the ground with the base plate parallel to the surface of the ground.

IPC 8 full level  
**H01Q 1/04** (2006.01); **H01Q 13/28** (2006.01); **H01Q 19/28** (2006.01)

CPC (source: EP)  
**H01Q 1/04** (2013.01); **H01Q 13/28** (2013.01); **H01Q 19/28** (2013.01)

Citation (search report)  
See references of WO 2014029947A1

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 2014029947 A1 20140227**; BR 112015003738 A2 20170704; BR 112015003738 B1 20220125; EP 2888784 A1 20150701;  
EP 2888784 B1 20160608; ES 2588927 T3 20161107; FR 2994773 A1 20140228; FR 2994773 B1 20160129; JP 2015527014 A 20150910;  
JP 6224104 B2 20171101; SG 11201501306W A 20150528

DOCDB simple family (application)  
**FR 2013051953 W 20130820**; BR 112015003738 A 20130820; EP 13762177 A 20130820; ES 13762177 T 20130820; FR 1202272 A 20120822;  
JP 2015527957 A 20130820; SG 11201501306W A 20130820