

Title (en)

ANTENNA APPARATUS FOR RADIO-FREQUENCY ELECTROMAGNETIC WAVES

Title (de)

ANTENNENVORRICHTUNG FÜR HOCHFREQUENTE ELEKTROMAGNETISCHE WELLEN

Title (fr)

DISPOSITIF D'ANTENNE POUR ONDES ÉLECTROMAGNÉTIQUES À HAUTES FRÉQUENCES

Publication

**EP 2332215 B1 20170705 (DE)**

Application

**EP 09740255 A 20090903**

Priority

- DE 2009001238 W 20090903
- DE 102008046975 A 20080912

Abstract (en)

[origin: WO2010028625A1] A very flat antenna apparatus (10) for radio-frequency electromagnetic waves has a plurality of individual antenna apparatuses. The antenna apparatus (10) is designed as a transmission type comprising a plurality of planar layers, wherein the antenna apparatus (10) has at least an introduction layer (20), a first phase shift layer (30) with phase shifter devices (32), a radiation layer (60) and a distribution network (36, 58), and wherein the layers (20, 30, 40, 60) are aperture-coupled.

IPC 8 full level

**H01Q 3/46** (2006.01)

CPC (source: EP)

**H01Q 3/46** (2013.01)

Citation (examination)

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DOCDB simple family (publication)

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