

Title (en)

Radiofrequency antenna with multiple radiating elements for transmission of a wave with variable propagation direction

Title (de)

Funkfrequenzantenne mit mehrfachen Strahlungselementen zum Aussenden einer Richtungswelle mit variabler Ausbreitung

Title (fr)

Antenne radiofréquence à éléments rayonnants multiples pour émission d'une onde à direction de propagation variable

Publication

**EP 2469649 B1 20130612 (FR)**

Application

**EP 11306778 A 20111226**

Priority

FR 1005125 A 20101227

Abstract (en)

[origin: EP2469649A1] The antenna has a circular plate (22) carrying a set of radiating antenna elements (24), and a displacement unit (25) including racks mounted slidingly with respect to the plate. The displacement unit includes a synchronized displacement mechanism arranged with an actuating ring (104) and a drive motor (106) of the racks. The ring rotates with respect to a bell shaped frame (26), and is fixed with actuating cams i.e. grooves (122), of the racks. Each of the racks is equipped with a cam follower i.e. driving finger (120), cooperating with the grooves. The motor rotatively drives the ring.

IPC 8 full level

**H01Q 3/08** (2006.01); **H01Q 3/30** (2006.01); **H01Q 11/08** (2006.01); **H01Q 21/06** (2006.01)

CPC (source: EP US)

**H01Q 3/08** (2013.01 - EP US); **H01Q 3/30** (2013.01 - EP US); **H01Q 11/08** (2013.01 - EP US); **H01Q 21/067** (2013.01 - EP US)

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