

Title (en)

Lead-through antenna with a single- or double-ridge waveguide

Title (de)

Antenne zur Wanddurchführung mit Wellenleiter mit einfachen oder doppelten Kanten

Title (fr)

Antenne de traversée de paroi à guide d'ondes à simple ou double arêtes

Publication

**EP 2595239 B1 20150325 (FR)**

Application

**EP 12193517 A 20121121**

Priority

FR 1160603 A 20111121

Abstract (en)

[origin: EP2595239A1] The antenna has a radiating waveguide (20) adapted to pass through a wall (3) having an inner surface (31) and an outer surface (32). One end (21) of the radiating waveguide is in level with the outer surface of the wall. An excitation waveguide (10) is coupled to the radiating waveguide, where the excitation waveguide is arranged along the inner surface of the wall and arranged as a ridge waveguide. The excitation waveguide is arranged as a waveguide with double edges and filled with a dielectric material. An independent claim is also included for an antenna excitation system.

IPC 8 full level

**H01P 5/02** (2006.01); **H01Q 1/28** (2006.01); **H01Q 13/06** (2006.01)

CPC (source: EP)

**H01P 5/024** (2013.01); **H01Q 1/286** (2013.01); **H01Q 13/06** (2013.01)

Cited by

US10658761B2; WO2017158020A1

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DOCDB simple family (publication)

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