Title (en)

ELECTROMAGNETIC ANTENNA

Title (de)

ELEKTROMAGNETISCHE ANTENNE

Title (fr)

ANTENNE ELECTROMAGNETIQUE

Publication

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Application

EP 18711379 A 20180322

Priority

- FR 1700304 A 20170323
- EP 2018057297 W 20180322

Abstract (en)

[origin: WO2018172459A1] The invention relates to an electromagnetic antenna having a first electromagnetic waveguide radiating part (12) of predetermined geometric shape, forming a first electromagnetic propagation medium and having a first radiation wall (18) having a plurality of spaced-apart radiating slots (22), each radiating slot (22) extending in a first longitudinal direction, and a second wall (20), opposite the first wall (18). The antenna has a second active part (14) comprising a stack of at least two dielectric layers (42, 44), at least one of the dielectric layers being etched with at least one metal track, resulting in at least one active circuit, forming a second electromagnetic propagation medium, at least one portion of said second active part being pressed against said second wall in a contact area. A coupling slot (30, 30a, 30b) is situated in said contact area, the coupling slot passing through said second wall (20) and extending in a second direction forming a nonzero angle of orientation with said first longitudinal direction.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2018172459A1

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