

Title (en)
Waveguide transition

Title (de)
Wellenleiterübergang

Title (fr)
Transition de guide d'onde

Publication
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Application
EP 11158700 A 20110317

Priority
EP 11158700 A 20110317

Abstract (en)
[origin: EP2500978A1] This invention relates to a transition between a microstrip and a waveguide, comprising a rectangular waveguide (102) having a floor (104), side walls (106), a ceiling (108), and a transition end; a microstrip (110); and a substrate integrated waveguide (112). At the transition end thereof, the rectangular waveguide is coupled to the substrate integrated waveguide at a first end of the substrate integrated waveguide. The microstrip is coupled to the substrate integrated waveguide at a second end thereof. The rectangular waveguide comprises a ridge (118) attached to the ceiling, extending along a portion of the rectangular waveguide, and having a first end portion which is engaged with a portion of a top surface of the substrate integrated waveguide at its first end.

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H01P 5/082 (2013.01); **H01P 5/107** (2013.01)

Cited by
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