

Title (en)
Substrate integrated waveguide horn antenna

Title (de)
Substratintegrierte Wellenleiter-Hornantenne

Title (fr)
Antenne cornet de guide d'onde intégré de substrat

Publication
EP 2797163 A1 20141029 (EN)

Application
EP 13165524 A 20130426

Priority
EP 13165524 A 20130426

Abstract (en)
Embodiments are directed to a substrate integrated waveguide (SIW) antenna structure comprising: a first layer configured to route a signal, at least a second layer configured for antenna use coupled to the first layer, and a SIW antenna flared in the E-plane. Embodiments are directed to a method comprising: fabricating a first layer configured to route a signal, fabricating at least a second layer configured for antenna use, coupling the first layer and the at least a second layer, and flaring a substrate integrated waveguide (SIW) antenna in the E-plane.

IPC 8 full level
H01P 5/107 (2006.01); **H01Q 13/06** (2006.01)

CPC (source: EP)
H01P 5/107 (2013.01); **H01Q 13/06** (2013.01); **H01P 3/121** (2013.01)

Citation (search report)
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Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
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