

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 extension state (EPC)  
BA ME

DOCDB simple family (publication)  
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