

Title (en)  
Diplexer and waveguide

Title (de)  
Diplexer und Wellenleiter

Title (fr)  
Duplexeur et guide d'ondes

Publication  
**EP 2750244 B1 20200401 (EN)**

Application  
**EP 13157832 A 20130305**

Priority  
TW 101149746 A 20121225

Abstract (en)  
[origin: EP2750244A1] A diplexer (13) for a waveguide (10) includes a power divider (131) for transmitting a transmitting signal (TX) and a first ortho-polarized receiving signal (RX1), a first lowpass filter (134) coupled to the power divider (131) for filtering out the transmitting signal (TX) and transmitting the first ortho-polarized receiving signal (RX1) a connecting port (132) coupled to the power divider (131) and having a first bend (B1) for transmitting the transmitting signal (TX), and a highpass filter (133) coupled to the connecting port (132) for filtering out the first ortho-polarized receiving signal (RX1) and transmitting the transmitting signal (TX).

IPC 8 full level  
**H01P 1/213** (2006.01); **H01P 5/12** (2006.01)

CPC (source: EP)  
**H01P 1/2138** (2013.01); **H01P 5/12** (2013.01)

Cited by  
CN110828955A; CN107834143A

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DOCDB simple family (publication)  
**EP 2750244 A1 20140702; EP 2750244 B1 20200401**; TW 201427165 A 20140701; TW I572085 B 20170221

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