

Title (en)  
A matched impedance filter

Title (de)  
Filter mit angepassten Impedanzen

Title (fr)  
Filtre à impédance adapté

Publication  
**EP 0828306 A2 19980311 (EN)**

Application  
**EP 97306729 A 19970902**

Priority  
• FI 963446 A 19960903  
• FI 963445 A 19960903

Abstract (en)  
In a radiofrequency filter (34; 35; 36) there is a port (34a; 34b; 34c) by means of which it is connected to an external component (14; 17; 21) and the impedance of which is adjusted by internal filter circuits so as to correspond to the impedance of the external component (Zant, ZRX, ZTX) at the operating frequency. The filter may for example be a duplex filter (34), in which case the internal impedance matching may be employed at the antenna port (34a), at the reception port (34b) and/or at the transmission port (34c). <IMAGE>

IPC 1-7  
**H01P 1/213**

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

CPC (source: EP)  
**H01P 1/2136** (2013.01)

Cited by  
DE102010020733A1; US8958766B2; US8948707B2

Designated contracting state (EPC)  
DE DK FR GB

DOCDB simple family (publication)  
**EP 0828306 A2 19980311; EP 0828306 A3 20000322**

DOCDB simple family (application)  
**EP 97306729 A 19970902**