

Title (en)  
WAVEGUIDE FILTER

Title (de)  
HOHLLEITERFILTER

Title (fr)  
FILTRE DE GUIDE D'ONDES

Publication  
**EP 1540761 B1 20100602 (DE)**

Application  
**EP 03798046 A 20030730**

Priority  
• DE 0302552 W 20030730  
• DE 10243670 A 20020920

Abstract (en)  
[origin: US2006139129A1] A waveguide filter formed from a substrate (S), which is coated on the upper face with a structured metallic layer (TM) and one or more metallic striplines (ML 1 , ML 2 ), and a component (FB) fitted to the upper face of the substrate (S) and with one side wall of the waveguide filter being formed by the structured metallic layer (TM) of the substrate (S). The other side walls of the waveguide filter are formed by the component (FB), and with the waveguide filter having input and output points for coupling the electromagnetic waves carried in the stripline (ML 1 , ML 2 ) to the waveguide filter, and vice versa.

IPC 8 full level  
**H01P 1/207** (2006.01); **H01P 1/208** (2006.01); **H01P 5/107** (2006.01)

CPC (source: EP KR US)  
**H01P 1/203** (2013.01 - KR); **H01P 1/208** (2013.01 - KR); **H01P 1/2088** (2013.01 - EP US)

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)  
**US 2006139129 A1 20060629**; AT E470250 T1 20100615; AU 2003257395 A1 20040419; AU 2003257395 B2 20081009; BR 0306441 A 20041026; CA 2499583 A1 20040408; CA 2499583 C 20091006; CN 1327568 C 20070718; CN 1682403 A 20051012; DE 10243670 B3 20040212; DE 50312777 D1 20100715; EP 1540761 A1 20050615; EP 1540761 B1 20100602; IL 167324 A 20101130; JP 2005539460 A 20051222; KR 101011282 B1 20110128; KR 20050057508 A 20050616; NO 20041576 L 20040419; PL 207567 B1 20110131; PL 374172 A1 20051003; WO 2004030140 A1 20040408

DOCDB simple family (application)  
**US 52842605 A 20051206**; AT 03798046 T 20030730; AU 2003257395 A 20030730; BR 0306441 A 20030730; CA 2499583 A 20030730; CN 03822242 A 20030730; DE 0302552 W 20030730; DE 10243670 A 20020920; DE 50312777 T 20030730; EP 03798046 A 20030730; IL 16732405 A 20050308; JP 2004538685 A 20030730; KR 20057004818 A 20030730; NO 20041576 A 20040419; PL 37417203 A 20030730