

Title (en)
Duplexer and communication apparatus

Title (de)
Duplexer und Kommunikationsvorrichtung

Title (fr)
Duplexeur et dispositif de communication

Publication
EP 0993063 A3 20010502 (EN)

Application
EP 99120152 A 19991008

Priority
JP 28661998 A 19981008

Abstract (en)
[origin: EP0993063A2] The invention provides a duplexer (15) comprising: a frequency variable filter (13) switching between a first band and a second band by a voltage-controllable reactor D1; and a transmission/reception select switch (14) connected to an input/output terminal of an end of the frequency variable filter (13). The above duplexer is small and capable of efficiently eliminating harmonics of transmission signals generated by a transmission/reception select switch. <IMAGE>

IPC 1-7
H01P 1/15; H01P 1/205

IPC 8 full level
H01P 1/10 (2006.01); **H01P 1/15** (2006.01); **H01P 1/201** (2006.01); **H01P 1/205** (2006.01); **H01P 1/213** (2006.01); **H04B 1/44** (2006.01)

CPC (source: EP KR)
H01P 1/10 (2013.01 - KR); **H01P 1/15** (2013.01 - EP); **H01P 1/201** (2013.01 - KR); **H01P 1/2056** (2013.01 - EP); **H01P 1/213** (2013.01 - KR)

Citation (search report)

- [X] EP 0736978 A2 19961009 - LK PRODUCTS OY [FI]
- [X] US 5486797 A 19960123 - SUZUKI TOMOHIRO [JP]
- [A] EP 0865095 A2 19980916 - MATSUSHITA ELECTRIC IND CO LTD [JP]
- [A] EP 0520641 A1 19921230 - LK PRODUCTS OY [FI]
- [A] US 5023935 A 19910611 - VANCRAEYNEST JAN [US]
- [A] EP 0570184 A1 19931118 - LK PRODUCTS OY [FI]

Cited by
EP1119069A3; EP1505683A1; EP1237290A3; EP1508974A3; EP1119069A2; US6885261B2; US11936355B2; US7206551B2; US7038557B2

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
EP 0993063 A2 20000412; EP 0993063 A3 20010502; JP 2000114804 A 20000421; KR 20000028933 A 20000525

DOCDB simple family (application)
EP 99120152 A 19991008; JP 28661998 A 19981008; KR 19990043425 A 19991008