Title (en)

DUPLEXER WITH IMPROVED TRANSMISSION/RECEIVING BAND SEPARATION

Title (de)

DUPLEXER MIT VERBESSERTER SENDE-/EMPFANGSBANDTRENNUNG

Title (fr)

COMMUTATEUR EMISSION/RECEPTION AYANT UNE SEPARATION EMISSION/RECEPTION AMELIOREE

Publication

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Application

EP 00993470 A 20001206

Priority

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- DE 19960299 A 19991214

Abstract (en)

[origin: WO0145273A2] The invention relates to a duplexer for a wireless communication system with a transmission band and a receiving band. According to the invention, a split surface wave filter consisting of at least two partial filters which cover adjacent partial frequency ranges of the corresponding band and which together form an entire band, is provided as an input and/or output filter. At least two pairs of partial filters are provided, each pair comprising a filter in the input and output filter respectively. A switch is used to switch between the at least two pairs. If the duplexer interval remains the same, a greater band interval is created between the transmission and receiving bands or between the corresponding partial frequency ranges, said band interval being produced with surface wave filters.

IPC 1-7 (main, further and additional classification)

H04B 1/00

IPC 8 full level (invention and additional information)

H03H 9/72 (2006.01); **H01P 1/213** (2006.01); **H03H 9/64** (2006.01); **H03H 11/34** (2006.01); **H04B 1/00** (2006.01); **H04B 1/50** (2006.01); **H04B 1/52** (2015.01)

IPC 8 main group level (invention and additional information)

H04B (2006.01)

CPC (invention and additional information)

H04B 1/52 (2013.01)

Citation (search report)

See references of WO 0145273A3

Designated contracting state (EPC)

AT BE CH CY DE FR GB LI

EPO simple patent family

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INPADOC legal status

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- Effective date : 20040701

2004-05-26 [RBV] DESIGNATED CONTRACTING STATES (CORRECTION)

- Designated State(s) : AT BE CH CY DE FR GB LI

2002-10-23 [RIN1] INVENTOR CHANGED BEFORE GRANT

- Inventor name : MACHUI, JUERGEN

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- Effective date : 20020423

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- Kind Code of Ref Document : A2
- Designated State(s) : AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR