

Title (en)
RF-filtering solution for a radio transmitter/receiver

Title (de)
HF-Filteranordnung für Funksender/Empfänger

Title (fr)
Arrangement de filtrage HF pour émetteur/récepteur radio

Publication
EP 0828307 A3 20000405 (EN)

Application
EP 97306730 A 19970902

Priority
FI 963445 A 19960903

Abstract (en)
[origin: EP0828307A2] In this radio set filtering solution, all passive filtering elements in the transmission and reception branch are combined as an integrated filtering unit (25). The active radiofrequency components (11, 14, 17, 30) are connected to the ports of the filtering unit directly without separate impedance matching networks, since the impedance of the ports is adjusted so that it is correct for the internal connections of the filtering unit. The filtering unit may contain a duplex filter (25a, 25b), in which case it is connected directly to the antenna (21). Also, by adjustment of the antenna port, a separate antenna-impedance matching network inside the filtering unit is avoided. <IMAGE>

IPC 1-7
H01P 1/213

IPC 8 full level
H01P 1/213 (2006.01)

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

Citation (search report)

- [E] WO 9704534 A1 19970206 - LG PRODUCTS AB [SE], et al
- [XY] US 5389904 A 19950214 - TAO KUANG-CHUNG [TW], et al
- [Y] US 4168479 A 19790918 - RUBIN DAVID
- [Y] US 5239279 A 19930824 - TURUNEN AIMO [FI], et al
- [Y] US 5355524 A 19941011 - HIGGINS JR ROBERT J [US]

Cited by
CN103380573A; US9391650B2; WO2012109650A1

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

DOCDB simple family (publication)
EP 0828307 A2 19980311; EP 0828307 A3 20000405; FI 110968 B 20030430; FI 963445 A0 19960903; FI 963445 A 19980304

DOCDB simple family (application)
EP 97306730 A 19970902; FI 963445 A 19960903