

Title (en)

Radio frequency signal combining/sorting apparatus

Title (de)

Kombinier-/Sortiergerät für Radiofrequenzsignale

Title (fr)

Appareil à combinaison et triage des signaux à radiofréquence

Publication

EP 0432729 B1 19960207 (EN)

Application

EP 90123813 A 19901211

Priority

- JP 32553689 A 19891214
- JP 33161189 A 19891221

Abstract (en)

[origin: EP0432729A2] A radio frequency signal combining/sorting apparatus which includes a plurality of channel filters (F1, --- and F64) which allow band regions of respective transmission channels to pass through them, isolators (IN1, --- and IN64) connected to respective inputs of the channel filters, a plurality of sets of power composing circuits (JU1, JU2, JU3, JU4) each including branch lines for composing outputs of the channel filters as one output, and hybrid circuits (H1 to H3) arranged to compose outputs per two sets of the power composing circuits (JU1, JU2, JU3, JU4). The band regions of the respective channel filters are selected in such relation that the band regions of the respective channel filters of the same power composing circuit are spaced from each other to a largest extent. <IMAGE>

IPC 1-7

H01P 1/213; **H01P 7/10**

IPC 8 full level

H01P 1/213 (2006.01); **H01P 7/10** (2006.01)

CPC (source: EP)

H01P 1/2138 (2013.01); **H01P 7/105** (2013.01)

Cited by

CN105703044A; US9601817B2; US6359534B2; US6624723B2; US8784142B2; US6542049B2; WO9825321A1; WO0233779A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0432729 A2 19910619; **EP 0432729 A3 19920715**; **EP 0432729 B1 19960207**; DE 69025293 D1 19960321; DE 69025293 T2 19960822; FI 906098 A0 19901212; FI 906098 A 19910615; FI 98257 B 19970131; FI 98257 C 19970512

DOCDB simple family (application)

EP 90123813 A 19901211; DE 69025293 T 19901211; FI 906098 A 19901212