

Title (en)

Composite switch circuit and composite switch device

Title (de)

Zusammengesetzter Schaltkreis und Schaltgerät dazu

Title (fr)

Circuit de commutation composé et dispositif de commutation composé

Publication

EP 0971434 B1 20070530 (EN)

Application

EP 98112502 A 19980706

Priority

EP 98112502 A 19980706

Abstract (en)

[origin: EP0971434A1] A composite switch circuit (30) for alternately and electrically connecting a first circuit (Tx) to a third circuit (ANT) or a second circuit (Rx) to said third circuit (ANT). The composite switch circuit (30) is incorporated with a low pass filter circuit (LPF) in the switch circuit portion of the composite switch circuit (30) so as to create a highly symmetrical circuit configuration. The composite switch circuit (30) is disposed on a plurality of dielectric substrates (22-28) of a integral multi-layer body (2) to provide a miniaturised composite switch device. Since the composite switch device including the composite switch circuit (30) with a symmetrical circuit configuration shows a low insertion loss and a high performance in a broad frequency range, the composite switch device is advantageously used to form a portion of a radio transceiver such as a cellular radiotelephone. <IMAGE>

IPC 8 full level

H01P 1/15 (2006.01)

CPC (source: EP)

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Cited by

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Designated contracting state (EPC)

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EP 0971434 A1 20000112; EP 0971434 B1 20070530; CN 1545215 A 20041110; CN 1545215 B 20100811; DE 69837841 D1 20070712; DE 69837841 T2 20080124; ES 2287964 T3 20071216

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EP 98112502 A 19980706; CN 200410044632 A 19980720; DE 69837841 T 19980706; ES 98112502 T 19980706