Title (en)

Connection network

Title (de)

Koppelfeld

Title (fr)

Réseau de connexion

Publication

EP 0758792 B1 20011017 (DE)

Application

EP 96112250 A 19960730

Priority

DE 19529974 A 19950816

Abstract (en)

[origin: US5742012A] A switching field for electromechanically switching electrical signal lines with crosspoints. The parts forming the crosspoints comprising membranes, at and between which further parts of the circuit are disposed. The switching field is particularly for communication and data transfer applications. The cross points are disposed matrix-shaped manner and signal lines assigned to the individual crosspoints. The crosspoints are composed of at least two contact surfaces which are movable relative to each other, to the one contact surface, a permanent magnet, and to the other contact surface, a ferromagnetic material with a coil assigned thereto.

IPC 1-7

H01H 13/70; H01H 67/24

IPC 8 full level

H01H 13/712 (2006.01); **H01H 13/70** (2006.01); **H01H 51/24** (2006.01); **H01H 67/24** (2006.01); H01H 13/702 (2006.01); H01H 51/22 (2006.01)

CPC (source: EP US)

H01H 67/24 (2013.01 - EP US); H01H 13/702 (2013.01 - EP US); H01H 51/2209 (2013.01 - EP US); H01H 2221/022 (2013.01 - EP US); H01H 2221/048 (2013.01 - EP US)

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI NL PT SE

DOCDB simple family (publication)

US 5742012 A 19980421; AT E207237 T1 20011115; BR 9603444 A 19980512; CA 2182931 A1 19970217; CA 2182931 C 20020625; CN 1148256 A 19970423; DE 19529974 C1 19961024; DE 59607931 D1 20011122; DK 0758792 T3 20020204; EP 0758792 A2 19970219; EP 0758792 A3 19980513; EP 0758792 B1 20011017; ES 2166852 T3 20020501; JP H09120746 A 19970506; MX 9603441 A 19970329; PT 758792 E 20020429

DOCDB simple family (application)

US 70713196 A 19960903; AT 96112250 T 19960730; BR 9603444 A 19960815; CA 2182931 A 19960808; CN 96111517 A 19960816; DE 19529974 A 19950816; DE 59607931 T 19960730; DK 96112250 T 19960730; EP 96112250 A 19960730; ES 96112250 T 19960730; JP 21562296 A 19960815; MX 9603441 A 19960816; PT 96112250 T 19960730