

Title (en)
Electrostatic mems switch

Title (de)
Mikroelektromechanische elektrostatische Schalter

Title (fr)
Interrupteur électrostatique et microélectromécanique

Publication
EP 1426992 A3 20051130 (EN)

Application
EP 03104514 A 20031203

Priority
JP 2002354041 A 20021205

Abstract (en)
[origin: EP1426992A2] A plurality of fixed contacts and signal lines are provided on a fixed substrate. A movable contact which is closed or opened with the fixed contacts is provided on a movable substrate opposed to the fixed substrate. A film thickness of the fixed contacts is made to be smaller than that of the signal lines so that the movable contact is set in a concave portion constituted by the fixed contacts when the fixed contacts, and the movable contact are closed and the signal lines are linearly connected. <IMAGE>

IPC 1-7
H01H 59/00

IPC 8 full level
H01H 59/00 (2006.01); **H01P 1/12** (2006.01)

CPC (source: EP)
H01H 59/0009 (2013.01); **H01P 1/127** (2013.01); **H01H 2001/0084** (2013.01); **H01H 2059/0054** (2013.01)

Citation (search report)
• [XY] WO 0044012 A1 20000727 - GFD GES FUER DIAMANTPRODUKTE M [DE], et al
• [Y] US 2002163408 A1 20021107 - FUJII MITSURU [JP], et al
• [Y] WO 02079076 A1 20021010 - JDS UNIPHASE CORP [US]
• [Y] PARK J Y ET AL: "Fully integrated micromachined capacitive switches for RF applications", MICROWAVE SYMPOSIUM DIGEST. 2000 IEEE MTT-S INTERNATIONAL BOSTON, MA, USA 11-16 JUNE 2000, PISCATAWAY, NJ, USA,IEEE, US, vol. 1, 11 June 2000 (2000-06-11), pages 283 - 286, XP010505974, ISBN: 0-7803-5687-X

Cited by
DE102007035633A1; EP2073237A3; DE102006001321B3; CN100459010C; EP1703531A3; DE102007035633B4; US7719066B2; US8115576B2; WO2015200307A3; WO2007007206A3

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