

Title (en)  
Electrostatically controlled micro-relay device

Title (de)  
Elektrostatisch gesteuertes Mikrorelais

Title (fr)  
Micro-relais contrôlé électrostatiquement

Publication  
**EP 1026718 A2 20000809 (EN)**

Application  
**EP 99830731 A 19991125**

Priority  
IT TO990072 A 19990202

Abstract (en)  
An electrostatically controlled micro-relay device comprises a base (2) provided with a pair of separate electrodes (5, 6) and a petal (8) constituted by a conductive film having the ends connected to the base (2) and a movable part carrying a pair of movable contacts (10) adapted to co-operate with respective fixed contacts (11, 12) carried by the base (2). By applying an electric voltage between the petal (8) and one of electrode (5, 6) of the other, an adhesion is caused by electrostatically effect of one part of the petal to the base, which causes engagement of one or the other of the movable contacts (10) with the respective fixed contacts (11, 12). <IMAGE>

IPC 1-7  
**H01H 59/00**

IPC 8 full level  
**H01H 59/00** (2006.01); **H01H 1/20** (2006.01)

CPC (source: EP)  
**H01H 59/0009** (2013.01); **H01H 1/20** (2013.01); **H01H 2059/0081** (2013.01)

Cited by  
FR2854726A1; EP1793403A3; DE10040867A1; DE102004010150A1; DE102004010150B4; DE102004010150B9; US6927352B2; US6743989B2; US7786829B2; WO0217342A1; EP1719144B1

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