

Title (en)  
ELECTRICAL SWITCHING DEVICE

Title (de)  
ELEKTRISCHES SCHALTGERÄT

Title (fr)  
APPAREIL DE COMMUTATION ELECTRIQUE

Publication  
**EP 0876671 A1 19981111 (DE)**

Application  
**EP 97914045 A 19970109**

Priority  
• DE 9700023 W 19970109  
• DE 19602118 A 19960122

Abstract (en)  
[origin: DE19602118A1] The object of the invention is to prevent movable contacts (4) from being welded to fixed contacts (5) of a switching device (1). This object is achieved by an auxiliary magnet system (22, 23, 24) which is arranged in the main conducting path and generates a contact pressure force corresponding to the exciting current such that, when excess and short-circuit currents occur, there is no arcing between the contacts (4, 5). To that end, the movable iron core (24) of the auxiliary magnet system is connected to the contact bridge carrier (10, 11) which connects and disconnects the contacts (4, 5).

IPC 1-7  
**H01H 1/54**

IPC 8 full level  
**H01H 3/28** (2006.01); **H01H 1/54** (2006.01); **H01H 73/18** (2006.01); **H01H 73/36** (2006.01); **H01H 3/00** (2006.01); **H01H 50/54** (2006.01)

CPC (source: EP US)  
**H01H 1/54** (2013.01 - EP US); **H01H 3/001** (2013.01 - EP US); **H01H 50/546** (2013.01 - EP US)

Citation (search report)  
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DOCDB simple family (publication)  
**DE 19602118 A1 19970724**; **DE 19602118 C2 19991230**; CN 1063868 C 20010328; CN 1207201 A 19990203; DE 59700308 D1 19990909; EP 0876671 A1 19981111; EP 0876671 B1 19990804; JP 2000503459 A 20000321; JP 3805377 B2 20060802; US 5986528 A 19991116; WO 9727602 A1 19970731

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