

Title (en)
CIRCUIT BREAKER

Title (de)
SCHUTZSCHALTER

Title (fr)
COUPE-CIRCUIT

Publication
EP 1168391 A4 20030813 (EN)

Application
EP 00900171 A 20000111

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JP 0000076 W 20000111

Abstract (en)
[origin: EP1168391A1] A circuit interrupter comprising a contact arm rotatably supporting movable members by a movable member pin, wherein a housing side wall has a sloped surface facing to an end surface of the movable member pin, the arrangement being such that a predetermined gap is defined between the end surface of the movable member pin and the housing side wall when the movable members are in the open position, and that a small gap is defined between the end surface of the movable member pin and the housing side wall when the movable members are in the closed position. The housing side wall opposing to the end surface of the movable member pin is provided with a friction reducing member and the end surface of the movable member pin is a sphere-shaped. Also, a tubular bush is provided between the contact arm and a contact arm pin for reducing a play therebetween and preventing the movable members from laterally moving. <IMAGE>

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IPC 8 full level
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H01H 71/504 (2013.01 - EP); **H01H 73/04** (2013.01 - EP); **H01H 2071/0292** (2013.01 - EP)

Citation (search report)
• [AX] US 5898146 A 19990427 - BECK HENRY RICHARD [US], et al
• [A] US 5146194 A 19920908 - ALTENHOF JR JAMES N [US], et al
• [AX] PATENT ABSTRACTS OF JAPAN vol. 2000, no. 02 29 February 2000 (2000-02-29)
• [DA] PATENT ABSTRACTS OF JAPAN vol. 016, no. 372 (E - 1246) 11 August 1992 (1992-08-11)
• See references of WO 0152289A1

Designated contracting state (EPC)
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