

Title (en)  
CONTACT ARRANGEMENT FOR CURRENT-LIMITING PROTECTIVE CIRCUIT BREAKERS

Title (de)  
KONTAKTANORDNUNG FÜR STROMBEGRENZENDE SCHUTZSCHALTER

Title (fr)  
SYSTEME DE CONTACT POUR DISJONCTEURS LIMITEURS DE COURANT

Publication  
**EP 1334504 B1 20050309 (DE)**

Application  
**EP 01996877 A 20011102**

Priority  
• DE 10056818 A 20001116  
• EP 0112705 W 20011102

Abstract (en)  
[origin: WO0241347A1] The invention relates to a contact arrangement for current-limiting protective circuit breakers for use in the low voltage range, especially for current-limiting power circuit breakers. According to the invention, a rotary contact bridge (10) is joined to an actuating shaft (6) by means of contact force tension springs (18), which are symmetrically arranged in pairs. In order to slow down the contact bridge (10) that is electrostatically repelled by the fixed contacts (16), each of the two inner walls (26) of the actuating shaft (6), which are situated opposite the contact bridge (10), is constructed in such a manner that the inner wall, starting from the closed position, passes from an area (28) of play into an area (30) of friction in the direction of the repelled position of the contact bridge (10) for the tension springs (18).

IPC 1-7  
**H01H 73/04**; **H01H 77/10**

IPC 8 full level  
**H01H 73/04** (2006.01); **H01H 77/10** (2006.01); **H01H 3/60** (2006.01)

CPC (source: EP)  
**H01H 1/205** (2013.01); **H01H 73/045** (2013.01); **H01H 77/102** (2013.01); **H01H 3/60** (2013.01)

Designated contracting state (EPC)  
DE FR GB IT

DOCDB simple family (publication)  
**WO 0241347 A1 20020523**; DE 10056818 A1 20020523; DE 50105561 D1 20050414; EP 1334504 A1 20030813; EP 1334504 B1 20050309

DOCDB simple family (application)  
**EP 0112705 W 20011102**; DE 10056818 A 20001116; DE 50105561 T 20011102; EP 01996877 A 20011102