

Title (en)  
SWITCHING CONTACT ARRANGEMENT OF A LOW VOLTAGE CIRCUIT BREAKER WITH MAIN CONTACTS, INTERMEDIATE CONTACTS AND ARCING CONTACTS

Title (de)  
SCHALTKONTAKTANORDNUNG EINES NIEDERSpannungs-LEISTUNGSSCHALTERS MIT HAUPTKONTAKTEN, ZWISCHENKONTAKTEN UND ABREISSKONTAKTEN

Title (fr)  
ENSEMBLE CONTACT DE COMMUTATION DE COMMANDE D'UN DISJONCTEUR BASSE TENSION DOTE DE CONTACTS PRINCIPAUX, DE CONTACTS INTERMEDIAIRES ET DE CONTACTS DE COUPURE

Publication  
**EP 1192628 B1 20030219 (DE)**

Application  
**EP 00949151 A 20000703**

Priority  
• DE 0002185 W 20000703  
• DE 19932010 A 19990702

Abstract (en)  
[origin: WO0103153A1] A switching contact arrangement (5) of a low voltage circuit breaker (1) has a stationary contact group (7) and a moving contact group (10) that interacts with the same. These contact groups (7, 10) have interacting main contacts (20, 22) and interacting intermediate contacts (21, 23) and arcing contacts (26, 32). The two contact groups (7, 10) are also provided with an arcing horn (25, 31) for conducting an arc into an arcing chamber (6). The arcing contacts are integrated into the arcing horns (25, 31). Only the main contacts are configured as contact facings, the remaining contact points being formed by conductor rails (3, 4) or arcing horns (25, 31). The inventive switching contact arrangement (5) is characterized by its simple structure and by an increased mechanical and electrical service life. The switching times are also particularly short.

IPC 1-7  
**H01H 9/38**; **H01H 9/46**

IPC 8 full level  
**H01H 9/38** (2006.01); **H01H 9/46** (2006.01); **H01H 73/02** (2006.01); **H01H 73/18** (2006.01)

CPC (source: EP US)  
**H01H 9/383** (2013.01 - EP US); **H01H 9/46** (2013.01 - EP US)

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**WO 0103153 A1 20010111**; CN 1134803 C 20040114; CN 1359528 A 20020717; DE 19932010 C1 20010308; DE 50001290 D1 20030327; EP 1192628 A1 20020403; EP 1192628 B1 20030219; JP 2003504801 A 20030204; US 6689979 B1 20040210

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