

Title (en)  
ELECTRIC SWITCHING DEVICE COMPRISING AN ARC-QUENCHING UNIT

Title (de)  
ELEKTRISCHES SCHALTGERÄT MIT EINRICHTUNG ZUR LICHTBOGENLÖSCHUNG

Title (fr)  
APPAREIL DE COMMUTATION ELECTRIQUE COMPRENANT UN DISPOSITIF D'EXTINCTION D'ARC

Publication  
**EP 1576633 A1 20050921 (DE)**

Application  
**EP 04787223 A 20040927**

Priority  
• DE 20316027 U 20031018  
• EP 2004052324 W 20040927

Abstract (en)  
[origin: US2007045235A1] An electric switching device, designed to carry a low-voltage, in particular a circuit-breaker or contactor, having at least one arc-quenching unit ( 16; 18 ) is provided. Connection contacts ( 8 ) are mounted in a housing ( 2 ) that can be sealed by a cover ( 4 ) and switching chambers ( 10 ) are configured in the housing. To adapt the device to different current ranges, the housing ( 2 ) and cover ( 4 ) are equipped with guide and retaining elements ( 12, 26, 28, 30 ) for cooling plates ( 16 ) that can be inserted and for arc-quenching laminated cores ( 18 ) that can be interchanged with the plates.

IPC 1-7  
**H01H 9/34**

IPC 8 full level  
**H01H 9/36** (2006.01); **H01H 11/00** (2006.01)

CPC (source: EP US)  
**H01H 9/36** (2013.01 - EP US); **H01H 11/0006** (2013.01 - EP US); **H01H 9/362** (2013.01 - EP US); **H01H 2011/0093** (2013.01 - EP US)

Citation (search report)  
See references of WO 2005036577A1

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**US 2007045235 A1 20070301**; **US 7439469 B2 20081021**; AT E428179 T1 20090415; CN 100435252 C 20081119; CN 1868017 A 20061122; DE 20316027 U1 20040115; DE 502004009309 D1 20090520; EP 1576633 A1 20050921; EP 1576633 B1 20090408; ES 2324820 T3 20090817; HK 1095425 A1 20070504; JP 2007507841 A 20070329; JP 4170363 B2 20081022; WO 2005036577 A1 20050421

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