

Title (en)
VACUUM CIRCUIT BREAKER

Title (de)
VAKUUMLEISTUNGSSCHALTER

Title (fr)
DISJONCTEUR À VIDE

Publication
EP 2059938 A1 20090520 (DE)

Application
EP 07818074 A 20070907

Priority
• EP 2007007821 W 20070907
• DE 102006042101 A 20060907

Abstract (en)
[origin: WO2008028672A1] The invention relates to a vacuum switch, especially a vacuum circuit breaker, for medium and high voltages, comprising a mobile switch unit arranged inside a vacuum switch compartment (1) and provided with mutually mobile elements including a contact tappet (17), an insulator (18), and a driving or switching rod (11) introduced into the vacuum switch compartment (1) by means of metal bellows. Said vacuum switch also comprises a fixed contact inserted into the housing of the vacuum switch compartment (1). The upper end of the insulator (18) is fixed to the contact tappet (17), and the lower end of the insulator (18) is fixed to the driving or switching rod (11). The contact tappet (17) is connected to a conductor (8) by a flexible, electroconductive connection (20), said conductor being electroconductively connected to at least one laterally arranged output contact (6). The aim of the invention is to enable an improved embodiment of the switching and contact surfaces. To this end, the fixed contact (16) and the contact tappet (17) respectively comprise a switching contact part (14a, 14b) comprising an outer switching and contact surface (29) and an inner switching and contact surface (30) that can be moved in relation to the outer surface.

IPC 8 full level
H01H 33/66 (2006.01); **H01H 1/50** (2006.01)

CPC (source: EP KR US)
H01H 1/50 (2013.01 - EP US); **H01H 33/66** (2013.01 - KR); **H01H 33/662** (2013.01 - KR); **H01H 33/664** (2013.01 - EP US); **H01H 33/666** (2013.01 - KR); **H01H 1/5822** (2013.01 - EP US); **H01H 33/6606** (2013.01 - EP US); **H01H 2001/5827** (2013.01 - EP US); **H01H 2033/6648** (2013.01 - EP US)

Citation (search report)
See references of WO 2008028672A1

Cited by
CN107170637A

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
WO 2008028672 A1 20080313; WO 2008028672 A8 20090507; AT E488848 T1 20101215; AT E488853 T1 20101215; BR PI0714749 A2 20130514; BR PI0714750 A2 20130514; CN 101140837 A 20080312; CN 101523537 A 20090902; CN 101617377 A 20091230; CN 101617377 B 20130306; DE 102006042101 A1 20080327; DE 102006042101 B4 20080925; DE 502007005699 D1 20101230; DE 502007005700 D1 20101230; EP 2059935 A1 20090520; EP 2059935 B1 20101117; EP 2059938 A1 20090520; EP 2059938 B1 20101117; JP 2010503161 A 20100128; JP 2010503162 A 20100128; KR 100887414 B1 20090306; KR 20080023091 A 20080312; KR 20090075664 A 20090708; KR 20090075665 A 20090708; MX 2009002545 A 20090601; MX 2009002546 A 20090601; US 2010000972 A1 20100107; US 2010025375 A1 20100204; US 8110769 B2 20120207; US 8198562 B2 20120612; WO 2008028676 A1 20080313; WO 2008028676 A8 20090702

DOCDB simple family (application)
EP 2007007821 W 20070907; AT 07802210 T 20070907; AT 07818074 T 20070907; BR PI0714749 A 20070907; BR PI0714750 A 20070907; CN 200710003129 A 20070131; CN 200780033332 A 20070907; CN 200780033381 A 20070907; DE 102006042101 A 20060907; DE 502007005699 T 20070907; DE 502007005700 T 20070907; EP 07802210 A 20070907; EP 07818074 A 20070907; EP 2007007827 W 20070907; JP 2009527062 A 20070907; JP 2009527063 A 20070907; KR 20070021059 A 20070302; KR 20097005367 A 20070907; KR 20097005368 A 20070907; MX 2009002545 A 20070907; MX 2009002546 A 20070907; US 44038307 A 20070907; US 44039207 A 20070907