

Title (en)  
LOAD INTERRUPTER COMPRISING AN ARC EXTINGUISHING DEVICE

Title (de)  
LASTTRENNSCHALTER MIT EINER LICHTBOGENLÖSCHEINRICHTUNG

Title (fr)  
INTERRUPTEUR-SECTIONNEUR AVEC DISPOSITIF D'EXTINCTION D'ARC

Publication  
**EP 2294592 B1 20160601 (DE)**

Application  
**EP 09772384 A 20090629**

Priority  
• EP 2009058089 W 20090629  
• DE 102008031468 A 20080701

Abstract (en)  
[origin: WO2010000684A1] In a load interrupter for gas-insulated switchgear systems equipped with an arc extinguishing device (7), a metal raceway (14) with edges that are drawn up at the inner and outer periphery thereof is associated with a nonferrous extinguishing coil (8) located on the side facing the arc foot. One end of the winding of the extinguishing coil is connected to the raceway and the other end is connected to the fixed contact of the load interrupter. The extinguishing coil is shielded outward up to a defined open arc running surface (25) at the raceway by the winding support and by an inner and an outer jacket (20, 22), each of which are made of a non-conducting material. The simple and compact arc extinguishing device can be disposed near the fixed contact of the interrupter and guarantees a fast commuting of the arc to the raceway and also guarantees the reliable, quick extinguishing of the arc.

IPC 8 full level  
**H01H 33/18** (2006.01); **H01H 33/12** (2006.01)

CPC (source: EP)  
**H01H 33/187** (2013.01); **H01H 33/121** (2013.01)

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2010000684 A1 20100107**; BR PI0913876 A2 20151027; BR PI0913876 B1 20190514; CN 102077310 A 20110525; CN 102077310 B 20140528; DE 102008031468 B3 20100408; EP 2294592 A1 20110316; EP 2294592 B1 20160601; ES 2588987 T3 20161108; HK 1153569 A1 20120330

DOCDB simple family (application)  
**EP 2009058089 W 20090629**; BR PI0913876 A 20090629; CN 200980125212 A 20090629; DE 102008031468 A 20080701; EP 09772384 A 20090629; ES 09772384 T 20090629; HK 11107747 A 20110726