

Title (en)
SWITCHING DEVICE

Title (de)
SCHALTGERÄT

Title (fr)
COMMUTATEUR

Publication
EP 2263246 A1 20101222 (DE)

Application
EP 09717343 A 20090217

Priority
• AT 2009000057 W 20090217
• AT 3572008 A 20080305

Abstract (en)
[origin: US2009224864A1] A switching device has an input terminal and an output terminal for connection to electrical conductors, and two switching contacts which, when closed, close a current path between the input terminal and the output terminal. An overcurrent trigger device which includes a bimetallic element heated by an electric current flow is provided for disconnecting the two switching contacts. A thermal insulator is arranged in the attachment region of the bimetallic element for reducing heat transfer from the bimetallic element as well as for increasing the accuracy and the degree of reproducibility for triggering the switching device. The switching device can be implemented as a circuit breaker.

IPC 8 full level
H01H 71/16 (2006.01); **H01H 71/74** (2006.01)

CPC (source: EP US)
H01H 71/16 (2013.01 - EP US); **H01H 71/7427** (2013.01 - EP US); **H01H 71/164** (2013.01 - EP US)

Citation (search report)
See references of WO 2009108968A1

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

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
US 2009224864 A1 20090910; **US 8026785 B2 20110927**; AR 070778 A1 20100505; AT 509407 A1 20110815; AT E519215 T1 20110815; AU 2009221606 A1 20090911; BR PI0910247 A2 20150929; CA 2715429 A1 20090911; CN 101527227 A 20090909; CN 101527227 B 20130918; EP 2263246 A1 20101222; EP 2263246 B1 20110803; ES 2372093 T3 20120113; IL 207502 A0 20101230; IL 207502 A 20131031; PL 2263246 T3 20120531; RS 51991 B 20120430; RU 2010140615 A 20120410; RU 2483385 C2 20130527; SI 2263246 T1 20120430; WO 2009108968 A1 20090911

DOCDB simple family (application)
US 39786609 A 20090304; AR P090100752 A 20090304; AT 09717343 T 20090217; AT 2009000057 W 20090217; AT 3572008 A 20080305; AU 2009221606 A 20090217; BR PI0910247 A 20090217; CA 2715429 A 20090217; CN 200810108439 A 20080530; EP 09717343 A 20090217; ES 09717343 T 20090217; IL 20750210 A 20100809; PL 09717343 T 20090217; RS P20110462 A 20090217; RU 2010140615 A 20090217; SI 200930096 T 20090217