

Title (en)
CIRCUIT BREAKER UNIT

Title (de)
LEISTUNGSSCHALTERUNTERBRECHEREINHEIT

Title (fr)
UNITÉ D'INTERRUPTION DE SECTIONNEUR DE PUISSANCE

Publication
EP 2742521 A1 20140618 (DE)

Application
EP 12769947 A 20120905

Priority
• DE 102011083594 A 20110928
• EP 2012067263 W 20120905

Abstract (en)
[origin: WO2013045235A1] The invention relates to an arrangement comprising a circuit breaker unit having a first and a second arcing contact piece (4, 5). A contact gap (6) is arranged between the arcing contact pieces (4, 5). A switch gas channel of the circuit breaker unit joins the contact gap to the surrounding area of the circuit breaker unit for removing a switch gas from said contact gap (6). Several barriers (21a, 21b, 21c, 21d, 21e) increasing a flow resistance are arranged successively, at a distance in relation to each other, in the switch gas channel. At least one of the barriers (21a, 21b, 21c, 21d, 21e) is arranged between a first pipe section (12) surrounded by a second pipe section (14), and the second pipe section (14).

IPC 8 full level
H01H 33/70 (2006.01); **H01H 3/60** (2006.01); **H01H 9/52** (2006.01); **H01H 33/88** (2006.01); **H01H 33/91** (2006.01)

CPC (source: EP RU US)
H01H 33/04 (2013.01 - US); **H01H 33/7015** (2013.01 - EP US); **H01H 33/91** (2013.01 - EP US); **H01H 3/60** (2013.01 - EP RU US); **H01H 9/52** (2013.01 - RU); **H01H 33/66** (2013.01 - US); **H01H 33/70** (2013.01 - RU); **H01H 33/88** (2013.01 - RU); **H01H 2009/526** (2013.01 - EP US); **H01H 2033/888** (2013.01 - EP US)

Citation (search report)
See references of WO 2013045235A1

Designated contracting state (EPC)
AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)
DE 102011083594 A1 20130328; CN 103828011 A 20140528; CN 103828011 B 20170222; EP 2742521 A1 20140618; EP 2742521 B1 20171115; PL 2742521 T3 20180530; RU 2014116619 A 20151110; RU 2608173 C2 20170117; US 2014209568 A1 20140731; US 9076611 B2 20150707; WO 2013045235 A1 20130404

DOCDB simple family (application)
DE 102011083594 A 20110928; CN 201280047156 A 20120905; EP 12769947 A 20120905; EP 2012067263 W 20120905; PL 12769947 T 20120905; RU 2014116619 A 20120905; US 201214348151 A 20120905