

Title (en)
GAS CIRCUIT BREAKER

Title (de)
DRUCKGASSCHALTER

Title (fr)
DISJONCTEUR À GAZ

Publication
EP 2991092 A4 20161214 (EN)

Application
EP 14788665 A 20140418

Priority
• KR 20130045668 A 20130424
• KR 2014003405 W 20140418

Abstract (en)
[origin: EP2991092A1] Disclosed is a gas circuit breaker, including: a first contact portion including a first arc inducement contact; a second contact portion including a second arc inducement contact, which is formed so as to be relatively movable with respect to the first arc inducement contact so as to be in a state of being in contact with the first arc inducement contact or a state of being separated from the first arc inducement contact; a gas chamber configured to store extinguishing gas for extinguishing arc generated between the first arc inducement contact and the second arc inducement contact when the first arc inducement contact is separated from the second arc inducement contact; a gas injection nozzle formed of an electric insulating material and configured to form an injection passage of extinguishing gas; and an arc length limiting contact disposed so as to be spaced apart from the second arc inducement contact, and configured so as to be moved together with the second arc inducement contact when the second arc inducement contact moves, and configured so that an end of the arc length limiting contact at the second arc inducement contact side is located at a point beyond an end of the first arc inducement contact when the first arc inducement contact is farthest from the second arc inducement contact

IPC 8 full level
H01H 33/08 (2006.01); **H01H 33/12** (2006.01); **H01H 33/70** (2006.01); **H01H 33/74** (2006.01); **H01H 33/76** (2006.01)

CPC (source: EP KR)
H01H 33/08 (2013.01 - KR); **H01H 33/12** (2013.01 - EP); **H01H 33/7023** (2013.01 - EP); **H01H 33/7069** (2013.01 - EP); **H01H 33/7084** (2013.01 - EP); **H01H 33/74** (2013.01 - EP); **H01H 33/76** (2013.01 - KR)

Citation (search report)
• [XAI] US 2010193474 A1 20100805 - ROSTRON JOSEPH R [US], et al
• [IA] FR 2692401 A1 19931217 - GEC ALSTHOM T & D SA [FR]
• [A] US 3906180 A 19750916 - GLARNER FRITZ
• See references of WO 2014175607A1

Cited by
US11222760B2

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)
EP 2991092 A1 20160302; **EP 2991092 A4 20161214**; **EP 2991092 B1 20171220**; CN 105164780 A 20151216; CN 105164780 B 20170926; KR 101455324 B1 20141027; WO 2014175607 A1 20141030

DOCDB simple family (application)
EP 14788665 A 20140418; CN 201480023393 A 20140418; KR 20130045668 A 20130424; KR 2014003405 W 20140418