

Title (en)

SPARK GAP WITH A COOLING AND/OR DAMPING DEVICE

Title (de)

FUNKENSTRECKE MIT KÜHL- UND/ODER DÄMPFUNGSEINRICHTUNG

Title (fr)

ÉCLATEUR DOTÉ D'UN DISPOSITIF D'AMORTISSEMENT ET/OU DE REFROIDISSEMENT

Publication

EP 2953216 A3 20160316 (DE)

Application

EP 15170367 A 20150603

Priority

- DE 102014210516 A 20140603
- DE 202015100397 U 20150128

Abstract (en)

[origin: CN105281202A] The present invention relates to a spark gap (1) with cooling and/or damping functions. The spark gap includes: at least one first electrode (FS1) and a second electrode (FS2); at least one ignition auxiliary electrode (ZE) for connecting an ignition circuit. The ignition auxiliary electrode (ZE) is arranged next to the first electrode (FS1) in the space, and spaced from the second electrode (FS2). The ignition auxiliary electrode (ZE) is arranged between the first electrode (FS1) and the second electrode (FS2). A material with lower electric conductivity (BRZ) is putted between the ignition auxiliary electrode (ZE) and the first electrode (FS1) for auxiliary ignition. A plurality of gaskets (S1, S2,...,Sn) are arranged between the auxiliary electrode (ZE) and the second electrode (FS2). AN isolation body is arranged surrounding the ignition auxiliary electrode (ZE) and the first electrode (FS1). Each of the gasket has an opening, and the openings compose an arc channel between the second electrode (FS2) and the first electrode (FS1), and simultaneously, the plurality of gaskets (S1, S2,...,Sn) have cooling and/or damping functions.

IPC 8 full level

H01T 1/02 (2006.01); **H01T 1/10** (2006.01); **H01T 1/15** (2006.01); **H01T 2/02** (2006.01); **H01T 4/20** (2006.01)

CPC (source: EP)

H01T 1/02 (2013.01); **H01T 1/10** (2013.01); **H01T 1/15** (2013.01); **H01T 2/02** (2013.01); **H01T 4/16** (2013.01)

Citation (search report)

- [XAI] EP 1542323 A2 20050615 - DEHN & SOEHNE [DE]
- [A] CH 303804 A 19541215 - OERLIKON MASCHF [CH]

Cited by

EP4270688A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2953216 A2 20151209; **EP 2953216 A3 20160316**; **EP 2953216 B1 20190731**; CN 105281202 A 20160127; CN 105281202 B 20170606; EP 3118951 A1 20170118; EP 3118951 B1 20200819

DOCDB simple family (application)

EP 15170367 A 20150603; CN 201510296447 A 20150603; EP 16186267 A 20150603