

Title (en)
SPARK GAP ARRANGEMENT COMPRISING TWO PREFERABLY FLAT, OPPOSING ELECTRODES THAT ARE HELD APART IN A HOUSING BODY

Title (de)
FUNKENSTRECKENANORDNUNG MIT ZWEI IN EINEM GEHÄUSEKÖRPER AUF ABSTAND GEHALTENEN, GEGENÜBERLIEGENDE, BEVORZUGT FLÄCHIGEN ELEKTRODEN

Title (fr)
ENSEMBLE ÉCLATEUR COMPRENANT DEUX ÉLECTRODES DE PRÉFÉRENCE PLANES, PLACÉES EN VIS-À-VIS, MAINTENUES À DISTANCE DANS UN CORPS DE BOÎTIER

Publication
EP 2443709 A1 20120425 (DE)

Application
EP 11743796 A 20110713

Priority
• EP 2011061919 W 20110713
• DE 102010034668 A 20100818
• DE 102011102869 A 20110531

Abstract (en)
[origin: WO2012022548A1] The invention relates to a spark gap arrangement comprising two preferably flat, opposing electrodes (1) that are held apart in a housing body (13), said electrodes forming an arc combustion chamber, and comprising a gas-cooling and pressure-compensating chamber that is connected to the arc combustion chamber. According to the invention, the housing body (13) is formed from two half-shells (14, 16), each of which has first recesses that lie opposite each other in one plane for electrode connecting limbs (3), said limbs being connected to a connecting terminal (15) on the outside of the housing body. Each of the half-shells (14, 16) has a first space for receiving an insulating material support (11) for the electrodes (1) and a second space for receiving a cooling block (8), which has channels, with a high heat capacity. Furthermore, a U-shaped clamp (9) that is connected to the half-shells in a mechanical and pressure-resistant manner is provided at least in the receiving region of the cooling block (8) such that said clamp encompasses the half-shells (14, 16) on the outside.

IPC 8 full level
H01T 4/10 (2006.01); **H01T 1/02** (2006.01)

CPC (source: EP US)
H01T 1/00 (2013.01 - EP US); **H01T 1/02** (2013.01 - EP US); **H01T 4/10** (2013.01 - EP US)

Citation (search report)
See references of WO 2012022548A1

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 102011102869 A1 20120223; **DE 102011102869 B4 20200123**; CN 103098323 A 20130508; CN 103098323 B 20140917; EP 2443709 A1 20120425; EP 2443709 B1 20130918; EP 2443709 B9 20131225; PL 2443709 T3 20140228; RU 2013108040 A 20140927; RU 2564779 C2 20151010; US 2013207531 A1 20130815; US 9178335 B2 20151103; WO 2012022548 A1 20120223

DOCDB simple family (application)
DE 102011102869 A 20110531; CN 201180040058 A 20110713; EP 11743796 A 20110713; EP 2011061919 W 20110713; PL 11743796 T 20110713; RU 2013108040 A 20110713; US 201113817319 A 20110713