

Title (en)  
ARRANGEMENT FOR IGNITING SPARK GAPS

Title (de)  
ANORDNUNG ZUR ZÜNDUNG VON FUNKENSTRECKEN

Title (fr)  
ENSEMBLE D'AMORÇAGE D'ÉCLATEURS

Publication  
**EP 2606542 B1 20141203 (DE)**

Application  
**EP 11748299 A 20110713**

Priority  
• DE 102011102937 A 20110531  
• DE 102010034586 A 20100817  
• EP 2011061914 W 20110713

Abstract (en)  
[origin: WO2012022547A1] The invention relates to an arrangement for igniting spark gaps with a trigger electrode T which is located on or in one of the main electrodes H2 and is insulated with respect to this main electrode H2, wherein the trigger electrode T is electrically connected to one of the other main electrodes H1 by means of at least one voltage-switching or voltage-monitoring element and there is an air gap between the trigger electrode T and the other main electrode H1. According to the invention, the trigger electrode T forms a sandwich structure with an insulation section I and a layer which is composed of a material M with a lower conductivity than the material of one of the main electrodes, wherein this sandwich structure represents a layered dielectric with the order of a first partial capacitor C1 with the dielectric of the insulation section I and a second partial capacitor CM with the material M as dielectric.

IPC 8 full level  
**H01T 2/02** (2006.01)

CPC (source: EP US)  
**H01T 2/02** (2013.01 - EP US)

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 102011102937 A1 20120223; DE 102011102937 B4 20170302**; CN 103098322 A 20130508; CN 103098322 B 20150121; EP 2606542 A1 20130626; EP 2606542 B1 20141203; EP 2827462 A2 20150121; EP 2827462 A3 20150218; EP 2827462 B1 20190313; PL 2606542 T3 20150630; PL 2827462 T3 20191031; RU 2013108041 A 20140927; SI 2606542 T1 20150430; SI 2827462 T1 20191030; US 2014160614 A1 20140612; US 8873217 B2 20141028; WO 2012022547 A1 20120223

DOCDB simple family (application)  
**DE 102011102937 A 20110531**; CN 201180040061 A 20110713; EP 11748299 A 20110713; EP 14188577 A 20110713; EP 2011061914 W 20110713; PL 11748299 T 20110713; PL 14188577 T 20110713; RU 2013108041 A 20110713; SI 201130415 T 20110713; SI 201131730 T 20110713; US 201113817211 A 20110713