

Title (en)
SPARK GAP

Title (de)
FUNKENSTRECKE

Title (fr)
ECLATEUR

Publication
EP 2839499 B1 20170322 (DE)

Application
EP 12729934 A 20120614

Priority
EP 2012061298 W 20120614

Abstract (en)
[origin: WO2013185824A1] The invention relates to a spark gap comprising a cathode (12) and an anode (11). According to the invention, said spark gap is divided into two partial spark gaps by means of a central piece (13), namely a high-pressure spark gap (14) and an effective spark gap (15) Said effective spark gap (15) can for example, be used to generate monochromatic x-rays (26). In order to guarantee a defined switching time, the high-pressure spark gap (14) which is initially switched to defined, is used. The switching initiates a potential so high on the centre piece that, when the high pressure spark gap (14) is switched, the effective spark gap (15) can also be switched in a defined manner without significant delays, to a visibly higher voltage.

IPC 8 full level
H01J 35/02 (2006.01); **H01J 35/22** (2006.01)

CPC (source: CN EP KR RU US)
H01J 35/025 (2013.01 - CN EP KR RU US); **H01J 35/16** (2013.01 - KR); **H01J 35/22** (2013.01 - EP KR US); **H01J 35/08** (2013.01 - KR); **H01J 2235/02** (2013.01 - KR); **H05G 1/08** (2013.01 - KR US)

Citation (examination)
WO 2013178292 A1 20131205 - SIEMENS AG [DE], et al

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)
WO 2013185824 A1 20131219; CN 104364875 A 20150218; CN 104364875 B 20170503; EP 2839499 A1 20150225; EP 2839499 B1 20170322; JP 2015526838 A 20150910; KR 101689486 B1 20161223; KR 20150023015 A 20150304; RU 2015100885 A 20160810; RU 2608364 C2 20170118; US 2015187539 A1 20150702; US 9679737 B2 20170613

DOCDB simple family (application)
EP 2012061298 W 20120614; CN 201280073946 A 20120614; EP 12729934 A 20120614; JP 2015516483 A 20120614; KR 20157000984 A 20120614; RU 2015100885 A 20120614; US 201214407163 A 20120614