Title (en)

Method for shutting down an electric arc, method and device for protecting a facility against overvoltages

Title (de)

Verfahren zum Unterbrechen eines Lichtbogens, Verfahren und Vorrichtung zum Schutz einer Anlage vor Überspannungen

Title (fr)

Procédé de coupure d'un arc électrique, procédé et dispositif de protection d'une installation contre les surtensions

Publication

EP 2631927 B1 20191204 (FR)

Application

EP 12187737 A 20121009

Priority

FR 1159557 A 20111021

Abstract (en)

[origin: US2013100558A1] The method comprising displacing the formed electric arc towards an electrode located in an intermediate position between both main electrodes; a separating the formed electric arc into two secondary electric arcs, a semiconductor switch, normally open, connecting the intermediate electrode to one of the main electrodes; closing the semiconductor switch in order to extinguish the secondary electric arc between both electrodes connected by the semiconductor switch; opening the semiconductor switch in order to extinguish the other secondary electric arc. The disclosure further relates to a protection method and a protection device, notably a protection device specially designed for applying the method.

IPC 8 full level

H01H 9/36 (2006.01); **H01H 33/04** (2006.01); **H01H 33/18** (2006.01); **H01T 1/02** (2006.01); **H01T 4/14** (2006.01)

CPC (source: EP US)

H01H 9/36 (2013.01 - EP US); **H01T 1/02** (2013.01 - EP US); **H01T 4/14** (2013.01 - EP US)

Cited by

WO2017080806A1; CN108370131A; DE102016115223A1; DE102016115223B4

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)

US 2013100558 A1 20130425; **US 9111698 B2 20150818**; CN 103066555 A 20130424; CN 103066555 B 20170606; EP 2631927 A1 20130828; EP 2631927 B1 20191204; FR 2981786 A1 20130426; FR 2981786 B1 20131122

DOCDB simple family (application)

US 201213656021 A 20121019; CN 201210404444 A 20121022; EP 12187737 A 20121009; FR 1159557 A 20111021