

Title (en)

METHOD AND GENERATOR FOR FORMING A SPARK OVER A SPARK GAP

Title (de)

VERFAHREN UND FUNKGENERATOR ZUR AUSBILDUNG EINES FUNKENS ÜBER EINE FUNKENSTRECKE

Title (fr)

MÉTHODE ET GÉNÉRATEUR POUR FORMER UNE ÉTINCELLE SUR UN ÉCLATEUR

Publication

**EP 3973175 B1 20240313 (DE)**

Application

**EP 20726239 A 20200422**

Priority

- AT 1952019 A 20190523
- IB 2020053797 W 20200422

Abstract (en)

[origin: WO2020234662A1] In a method for forming a spark over a spark gap, in particular for the inflammation of a flammable liquid for measuring its flame point, with the aid of a spark generator which has an ignition transformer (2) and comprises on the primary side of the ignition transformer (2) at least one DC voltage source (1) and on the secondary side of the ignition transformer (2) two electrodes (5) delimiting the spark gap (6) to be formed, wherein voltage pulses from the DC voltage source (1) are applied to the ignition transformer (2) on the primary side and generate ignition voltage pulses on the secondary side, the ignition transformer is operated in a first phase on the basis of the flyback converter principle and in a subsequent, second phase on the basis of the forward converter principle.

IPC 8 full level

**F02P 9/00** (2006.01); **F02P 3/01** (2006.01); **F02P 3/04** (2006.01); **F02P 15/08** (2006.01); **F02P 17/12** (2006.01)

CPC (source: AT EP US)

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Citation (examination)

- EP 2639446 A1 20130918 - DELPHI AUTOMOTIVE SYSTEMS LUX [LU]
- US 2018358782 A1 20181213 - MIYAKE KEIKO [JP], et al
- US 2013263835 A1 20131010 - EISEN SVEN-MICHAEL [DE], et al
- DE 69022422 T2 19960515 - SIEMENS AG [DE]

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DOCDB simple family (publication)

**WO 2020234662 A1 20201126**; AT 522630 A1 20201215; AT 522630 B1 20210215; EP 3973175 A1 20220330; EP 3973175 B1 20240313; EP 3973175 C0 20240313; US 2022228547 A1 20220721

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