

Title (en)

METHOD FOR MEASURING AN IONIZATION CURRENT OF A SPARK PLUG OF THE TYPE WITH RESONANT STRUCTURE, AND CORRESPONDING DEVICE

Title (de)

VERFAHREN ZUR MESSUNG EINES IONISIERUNGSSTROMES EINER ZÜNDKERZE MIT RESONANZSTRUKTUR UND ENTSPRECHENDE VORRICHTUNG

Title (fr)

PROCEDE DE MESURE D'UN COURANT D'IONISATION D'UNE BOUGIE DE TYPE A STRUCTURE RESONANTE, ET DISPOSITIF CORRESPONDANT

Publication

**EP 2002117 A1 20081217 (FR)**

Application

**EP 07731715 A 20070309**

Priority

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Abstract (en)

[origin: FR2899394A1] The method involves charging a resonant structure spark plug (BR) by a voltage generated with respect to a charged ballast capacitor (Cb) during ignition phase. Ionization current (Ii) of the spark plug is periodically measured between two ignition phases by a measurement unit (MMES), where the ionization current is measured between the ballast capacitor and a weight after polarizing the spark plug. An independent claim is also included for a device for measuring ionization current of a resonant structure type spark plug.

IPC 8 full level

**F02P 17/12** (2006.01); **F02P 15/08** (2006.01)

CPC (source: EP KR US)

**F02P 9/007** (2013.01 - EP US); **F02P 15/08** (2013.01 - EP KR US); **F02P 17/12** (2013.01 - EP KR US); **F02P 3/01** (2013.01 - EP US); **F02P 2017/125** (2013.01 - EP US)

Citation (search report)

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