

Title (en)
IGNITION SYSTEM FOR AN INTERNAL COMBUSTION ENGINE

Title (de)
ZÜNDSYSTEM FÜR EINE VERBRENNUNGSKRAFTMASCHINE

Title (fr)
SYSTÈME D'ALLUMAGE CONÇU POUR UN MOTEUR À COMBUSTION INTERNE

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Application
EP 13762808 A 20130912

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- EP 2013068908 W 20130912

Abstract (en)
[origin: WO2014041070A1] The invention relates to an ignition system having: a high voltage generator, in particular a step-up transformer, with a primary side and a secondary side; an electrical energy source which can be connected to the primary side; and a spark gap which is designed to carry a current transferred by the step-up transformer to the secondary side. The step-up transformer has a bypass for transferring electrical energy from the electrical energy source to the secondary side. The invention is characterised in that the ignition system is designed to couple in electrical energy as an electrical current in the form of a controlled pulse sequence, in particular in the kilohertz range, in series with or parallel to the secondary side of the high-voltage generator, in order to maintain an ignition spark. The invention also relates to a corresponding method for generating and maintaining an ignition spark.

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Citation (search report)
See references of WO 2014041070A1

Citation (examination)

- JP H07174063 A 19950711 - HANSHIN ELECTRICS
- JP S60178967 A 19850912 - NISSAN MOTOR

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