

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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Abstract (en)
[origin: WO2014041050A1] 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 bypass is designed to support a diminishing electrical signal in the secondary coil of the high-voltage generator after a predefined time or once a predefined current intensity of the current has been reached. The invention also relates to a corresponding method for generating and maintaining an ignition spark.

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