

Title (en)
IGNITION DEVICE AND METHOD FOR IGNITING AN AIR/FUEL MIXTURE

Title (de)
ZÜNDVORRICHTUNG UND VERFAHREN ZUM ZÜNDEN EINES LUFT-KRAFTSTOFFGEMISCHES

Title (fr)
DISPOSITIF D'ALLUMAGE ET PROCÉDÉ D'ALLUMAGE D'UN MÉLANGE AIR-CARBURANT

Publication
EP 3464876 A1 20190410 (DE)

Application
EP 17728054 A 20170530

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Abstract (en)
[origin: WO2017207098A1] The present invention relates to an ignition device for igniting an air/fuel mixture in at least one combustion chamber, in particular an internal combustion engine, having at least one ignition system with electrodes for each combustion chamber, at least one high-voltage source for generating an electrical high-voltage impulse at an output of the high-voltage source, and having at least one high-frequency voltage source for generating an electrical high-frequency alternating voltage at an output of the high-frequency voltage source, wherein m ignition systems (10i) are provided with the formula (I) (natural numbers without zero) and $m \geq 2$, wherein κ high-frequency voltage sources are provided with the formula (II), and $\kappa < m$, wherein at least one power distributor device is provided which is electrically connected, on the one hand, to at least one high-frequency voltage source and, on the other hand, to n ignition systems, wherein formula (III) and $2 \leq n \leq m$, wherein the power distributor device transmits the high-frequency alternating voltage or voltages from the high-frequency voltage source or sources, electrically connected to this power distributor device, to the ignition systems n which are electrically connected to this power distributor device.

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