

Title (en)

OPERATIONAL METHOD FOR AN IGNITION DEVICE AND IGNITION DEVICE

Title (de)

BETRIEBSVERFAHREN FÜR EINE ZÜNDEINRICHTUNG UND ZÜNDEINRICHTUNG

Title (fr)

PROCÉDÉ POUR FAIRE FONCTIONNER UN DISPOSITIF D'ALLUMAGE ET DISPOSITIF D'ALLUMAGE

Publication

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Application

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Abstract (en)

[origin: WO2008000585A1] The invention relates to a method for operating an ignition device for an internal combustion engine (10), in particular a motor vehicle. Said ignition device has a laser device (26) that comprises a laser-active solid body (44) provided with passive Q-switching (46) and an optical amplifier (70) that is arranged downstream from the passive Q-switching (46), said laser device producing a laser pulse (24) for radiating in a combustion chamber (14). Said ignition device also comprises a pump light source (30) which provides a pump light (60) for the laser-active solid body (44) and the optical amplifier (70) of the laser device (26). According to the invention, the energy of the laser pulse (24) is controlled by changing a wave length of the pump light (60).

IPC 8 full level

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