Title (en)

LASER IGNITION DEVICE FOR AN INTERNAL COMBUSTION ENGINE

Title (de)

LASERZÜNDEINRICHTUNG FÜR EINE BRENNKRAFTMASCHINE

Title (fr)

DISPOSITIF D'ALLUMAGE PAR LASER POUR MOTEUR À COMBUSTION INTERNE

Publication

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Application

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Abstract (en)

[origin: WO2011080025A1] The invention relates to a laser ignition device (27) for an internal combustion engine (10), in particular of a motor vehicle, having a laser device (26) for generating laser pulses (24) and having a pumping light source (30) for optically pumping the laser device (26). According to the invention, a photodiode arrangement (270) is arranged in the region of an optical connection (280) between the pumping light source (30) and the laser device (26) such that both pumping radiation generated by the pumping light source (30) and also laser radiation generated by the laser device (26) can each be at least partially irradiated onto a photodiode (271) of the photodiode arrangement (270).

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2011080025A1

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