

Title (en)  
LASER IGNITION DEVICE

Title (de)  
LASERZÜNDEINRICHTUNG

Title (fr)  
SYSTÈME D'ALLUMAGE PAR LASER

Publication  
**EP 2238341 A2 20101013 (DE)**

Application  
**EP 09707237 A 20090120**

Priority  
• AT 2009000017 W 20090120  
• AT 2002008 A 20080207

Abstract (en)  
[origin: WO2009097635A2] Disclosed is a laser ignition device comprising a base (1) and a combustion chamber window (2) for injecting laser light into the combustion chamber (4) of an internal combustion engine. The combustion chamber window (2) rests against a receiving collar (5) of the base (1) in the area of the surface (2a) from which the laser light emerges. By applying pressure, a fastening element (6) fixes the combustion chamber window (2) to the base (1) in the area of the surface (2b) on which the laser light is incident. Said fastening element (6) is designed such that the pressure applied to the combustion chamber window (2) by the fastening element (6) remains substantially constant or is increased when the temperature of the base (1) and/or the combustion chamber window (2) rises. Also disclosed is an internal combustion engine comprising such a laser ignition device.

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**F02P 23/04** (2006.01)

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Citation (search report)  
See references of WO 2009097635A2

Cited by  
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