

Title (en)

PRECOMBUSTION CHAMBER IGNITION DEVICE MADE OF A MATERIAL WITH HIGH THERMAL CONDUCTIVITY FOR AN INTERNAL COMBUSTION ENGINE, AND PRECOMBUSTION CHAMBER IGNITER

Title (de)

ZÜNDVORRICHTUNG MIT VORZÜNDKAMMER HERGESTELLT AUS EINEM MATERIAL MIT HÖHER THERMISCHER LEITFÄHIGKEIT, FÜR VERBRENNUNGSMOTOR UND ZÜNDER MIT VORZÜNDKAMMER

Title (fr)

DISPOSITIF D'ALLUMAGE A PRECHAMBRE REALISEE DANS UN MATERIAU A CONDUCTIVITE THERMIQUE ELEVEE, POUR UN MOTEUR A COMBUSTION INTERNE, ET ALLUMEUR A PRECHAMBRE

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Application

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Abstract (en)

[origin: WO2004036709A1] The invention concerns an internal combustion engine ignition device comprising: a main chamber (1) designed to hold a main fuel mixture, and provided with a system for compressing said mixture; an igniter (11) including a precombustion chamber (2) designed to receive reagents and a system for igniting (13, 14) the reagents contained in the precombustion chamber, said precombustion chamber (2) being defined by a precombustion chamber casing (12) having a head (12a) including at least one passageway (15), said head of the precombustion chamber casing separating the precombustion chamber from the main chamber (1) and communicating the precombustion chamber (2) with the main chamber (1) via one or more passageways. The invention is characterized in that said precombustion chamber casing (12) is made of a material having a thermal conductivity at 20 DEG C of at least 10 W/K/m.

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CPC (source: EP US)

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Citation (search report)

See references of WO 2004036709A1

Cited by

US9840963B2; US10907532B2; US11674494B2; US9765682B2; US9893497B2; US9856848B2; US10054102B2; US9653886B2; US9843165B2; US8461750B2; US8657641B2; US9890689B2

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