

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

Publication

**EP 1556932 B1 20080709 (FR)**

Application

**EP 03778403 A 20031017**

Priority

- FR 0303083 W 20031017
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Abstract (en)

[origin: FR2846042A1] An ignition system for an internal combustion engine comprises: (a) a main combustion chamber (1) destined to contain a main fuel mixture, and equipped with a compression system; (b) an ignitor (11) incorporating a precombustion chamber (2) destined to receive some reactives and an ignition system (13, 14) for the reactives contained in the precombustion chamber; (c) the precombustion chamber is defined by a body (12) having a head (12a) incorporating at least one passage (15); (d) the head separates the precombustion chamber from the main chamber, which are connected by passages in the head; (e) the body of the precombustion chamber is made in a material with a thermal conductivity at 20 degrees Celsius of at least 10 W/K/m. An Independent claim is also included for an ignitor for an internal combustion engine incorporating a precombustion chamber.

IPC 8 full level

**H01T 13/54** (2006.01)

CPC (source: EP US)

**H01T 13/54** (2013.01 - EP US); **F02P 9/007** (2013.01 - EP US)

Cited by

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

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