

Title (en)  
DISSYMMETRICAL COMBUSTION CHAMBER FOR THERMAL ENGINE

Title (de)  
ASYMMETRISCHE BRENNKAMMER FÜR VERBRENNUNGSMOTOR

Title (fr)  
CHAMBRE DE COMBUSTION DISSYMETRIQUE POUR MOTEUR THERMIQUE

Publication  
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Application  
**EP 08861953 A 20081215**

Priority  
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Abstract (en)  
[origin: WO2009077507A1] The invention relates to a piston (3) for an internal combustion engine, in particular a diesel engine, that comprises a body defined laterally by a skirt capable of interaction with the walls of a cylinder having a revolution axis C in which the piston (3) is capable of sliding along said axis C, said piston (3) including a front face that comprises a central lug (321), a peripheral crown (322) and a bowl (323) having a revolution axis B extending from the central lug (321) to the peripheral crown (322) to which it is connected at a lip (3220) having a thickness Ep, said bowl (323) including substantially over the lip (3220) a tore (3230) preferably having a half-dome profile with a maximum radius Rt and capable of guiding a fuel injected under the lip (3220) in the region of a re-entrant R towards said central lug (321), characterised in that the central lug has separate upper A1 and lower A2 slopes, the upper slope A1 being more gentle than the lower slope A2.

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Citation (search report)  
See references of WO 2009077507A1

Citation (examination)  
• JP H0893550 A 19960409 - ISUZU MOTORS LTD  
• JP S61116125 U 19860722  
• DE 20221786 U1 20071011 - AVL LIST GMBH [AT]

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