

Title (en)
THERMALLY STRATIFIED REGENERATIVE COMBUSTION CHAMBER AND METHOD FOR MODIFYING A COMBUSTION CHAMBER IN AN INTERNAL COMBUSTION ENGINE AND RESULTING ENGINE

Title (de)
THERMISCH STRATIFIZIERTE REGENERATIVE BRENNKAMMER UND VERFAHREN ZUM MODIFIZIEREN EINER BRENNKAMMER EINER BRENNKRAFTMASCHINE UND BRENNKRAFTMASCHINE

Title (fr)
CHAMBRE DE COMBUSTION PAR RÉGÉNÉRATION ET À STRATIFICATION DU FLUIDE CALOPORTEUR ET PROCÉDÉ PERMETTANT DE MODIFIER UNE CHAMBRE DE COMBUSTION DANS UN MOTEUR À COMBUSTION INTERNE ET MOTEUR EN RÉSULTANT

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Abstract (en)
[origin: WO2014117177A1] A heat retaining element (20) is provided, which is configured to be provided between a head (11) and a main combustion chamber (18) of an internal combustion engine, the combustion chamber (18) of the engine being arranged between a head (11) and a reciprocating piston (54). The heat retaining element (20) is configured to reduce heat transfer from the main combustion chamber (18) into the engine head (11). The heat retaining element (20) is a self-supporting structure coupled to the head (11), the heat retaining element (20) including a head-facing portion (43) substantially corresponding in shape to a portion of the head (45) facing the main combustion chamber (18).

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Citation (search report)
See references of WO 2014117177A1

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US 5010861 A 19910430 - MATSUOKA HIROSHI [JP]

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