

Title (en)
INTERNAL COMBUSTION ENGINE

Title (de)
VERBRENNUNGSMOTOR

Title (fr)
MOTEUR À COMBUSTION INTERNE

Publication
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Application
EP 20872232 A 20200911

Priority
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Abstract (en)
[origin: EP4039956A1] The present invention is configured to comprises: fuel injection valves (43A-43D) that inject a fuel (F) in a combustion chamber (75) of an internal combustion engine (10); and cooling medium supply devices (63A-63D) that supply, into the combustion chamber (75), a liquid (68) having ignitibility that is inferior to the fuel (F), wherein before the fuel injection valves (43A-43D) perform main injection (JM1) of the fuel (F), the cooling medium supply devices (63A-63D) supply the liquid (68) to a predetermined region (FL) around a plurality of fuel injection ports (49) of the fuel injection valves, thereby lowering the temperature of the predetermined region (FL).

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Citation (search report)
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• [Y] JP 2018135795 A 20180830 - HINO MOTORS LTD
• [Y] DE 102018104419 A1 20180920 - DENSO CORP [JP]
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• See references of WO 2021065426A1

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