

Title (en)

OIL-COOLED INTERNAL COMBUSTION ENGINE WITH MOTOR-ASSISTED TURBOFAN COOLING

Title (de)

ÖLGEKÜHLTE BRENNKRAFTMASCHINE MIT MOTORUNTERSTÜTZTER TURBOFAN-KÜHLUNG

Title (fr)

MOTEUR A COMBUSTION INTERNE A REFROIDISSEMENT PAR HUILE AVEC SYSTEME DE REFROIDISSEMENT PAR TURBO-VENTILATEUR MOTORISE

Publication

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Application

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Abstract (en)

[origin: WO9954604A1] An exhaust-driven cooling system (13) for an internal combustion engine system (10) permits cooling system components (20, 22-25, 30) to be located at locations (152) that do not interfere with the aerodynamics of a vehicle (150) and do not endanger the reliability of engine operation and also permits the engine lubricating fluid, preferably synthetic oil, to be used as the engine coolant, eliminating a separate coolant, such as the water-antifreeze mixture most commonly in use. In the invention, the cooling system components, such as a turbocooling assembly (110) of the invention, are not mechanically connected to the internal combustion engine (11) and can more reliably and effectively cool an internal combustion engine (11).

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