

Title (en)

RECIPROCATING PISTON FOR A RECIPROCATING PISTON INTERNAL COMBUSTION ENGINE, AND USE OF A RECIPROCATING PISTON IN A RECIPROCATING PISTON INTERNAL COMBUSTION ENGINE

Title (de)

HUBKOLBEN FÜR EINE HUBKOLBENBRENNKRAFTMASCHINE SOWIE VERWENDUNG EINES HUBKOLBENS IN EINER HUBKOLBENBRENNKRAFTMASCHINE

Title (fr)

PISTON ALTERNATIF CONÇU POUR UN MOTEUR À COMBUSTION INTERNE À PISTONS ALTERNATIFS, ET UTILISATION D'UN PISTON ALTERNATIF DANS UN MOTEUR À COMBUSTION INTERNE À PISTONS ALTERNATIFS

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Abstract (en)

[origin: WO2019149598A1] The invention relates to a reciprocating piston for a reciprocating piston internal combustion engine with a main body (12) and a combustion chamber surface (16), wherein at least one cooling duct network (32) is provided within the main body (12), wherein the cooling duct network (32) has at least one inflow region (34) which is arranged on the inner side (as viewed in the radial direction of the main body (12)) and a multiplicity of cooling mini-ducts (42) which, starting from the inflow region (34), extend in the radial direction in each case to the outside, wherein the cooling mini-ducts (42) have a maximum cross-sectional width of 3 mm. The invention also relates to the use of a reciprocating piston (10) in a reciprocating piston internal combustion engine.

IPC 8 full level

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