

Title (en)

INTERNAL COMBUSTION ENGINE PISTON WITH COOLING CHANNEL SAID PISTON COMPRISING A SEALING ELEMENT SEALING THE COOLING CHANNEL

Title (de)

KÜHLKANALKOLBEN EINER BRENNKRAFTMASCHINE MIT EINEM VERSCHLUSSELEMENT, DAS DEN KÜHLKANAL VERSCHLIESST

Title (fr)

PISTON AVEC CANAL DE REFROIDISSEMENT POUR UN MOTEUR À COMBUSTION INTERNE, AVEC UN ÉLÉMENT DE FERMETURE QUI FERME LE CANAL DE REFROIDISSEMENT

Publication

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Application

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Priority

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- DE 102008055848 A 20081104

Abstract (en)

[origin: WO2010051878A1] The invention relates to a piston (1) with a cooling channel, comprising a radially circumferential cooling channel (6) behind a ring land (3), wherein the cooling channel piston (1) is forged from a steel material and the cooling channel (6) created by machining between an upper piece (2) beneath the ring land (3) and a lower piece (7) above the piston boss (9) and piston skirt (10), wherein the cooling channel (6) running behind the ring land (3) in the direction of an upper side of the upper piece (2). According to the invention, the piston (1) with a cooling channel has a support region (AB) facing outwards above the piston boss (9) and piston skirt (10) thereof, wherein a sealing element (14) is arranged and fixed between the lower edge of the ring land (3) and the support region (AB) which seals the cooling channel (6) after production thereof.

IPC 8 full level

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