

Title (en)

METHOD FOR PRODUCING A PISTON FOR AN INTERNAL COMBUSTION ENGINE

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES KOLBENS FÜR EINEN VERBRENNUNGSMOTOR

Title (fr)

PROCÉDÉ DE FABRICATION D'UN PISTON POUR UN MOTEUR À COMBUSTION INTERNE

Publication

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Application

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Abstract (en)

[origin: WO2016026638A1] The invention relates to a casting tool (1) for a piston (2) comprising a casting mould (3) and a casting base (5) with a feeder (6) for feeding the molten metal (4) into the casting mould (3). It is essential to the invention here that – a preferably annular groove (8) arranged in the casting base (5), running around the feeder (6) and at a radial distance therefrom is provided, comprising an inner groove flank (9) for forming the molten metal (4) into an annular sealing rib (10) in such a way that an inner rib flank (11) of the sealing rib (10) lies with a sealing effect against the inner groove flank (9) when the molten metal (4) in the groove (8) solidifies, and/or - a preferably annular collar (12) arranged in the casting base (5), running around the feeder (6) and at a radial distance therefrom is provided, intended for forming a sealing groove (14) of which the outer groove flank (15) lies with a sealing effect against the outer flank (13) of the collar when the molten material solidifies.

IPC 8 full level

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