

Title (en)
CASTING MOULD AND PISTON PRODUCED WITH THE CASTING MOULD

Title (de)
GIESSFORM UND DAMIT HERGESTELLTER KOLBEN

Title (fr)
MOULE DE COULÉE ET PISTON FABRIQUÉ AU MOYEN DE CELUI-CI

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Application
EP 14780430 A 20140923

Priority
• DE 102013220256 A 20131008
• EP 2014070166 W 20140923

Abstract (en)
[origin: WO2015051991A1] The present invention relates to a casting mould (1) for casting a piston (2) of an internal combustion engine, wherein the casting mould (1) has a surface texture (5) formed by grooves (4) in the area of a future inner surface (3) of a piston skirt, the grooves (4) having the following dimensions: a depth of $0.2 \text{ mm} < t < 0.5 \text{ mm}$, a width of $0.02 \text{ mm} < b < 0.05 \text{ mm}$, and groove walls (6) inclined outwards by $0^\circ < \alpha < 10^\circ$. This allows the cast piston (2) to be removed from the mould in practically all directions.

IPC 8 full level
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