

Title (en)

CAST INFLOW AND OUTFLOW OPENINGS FOR CAST-STEEL AND CAST-IRON PISTONS

Title (de)

GEGOSSENE ZU- UND ABLAUFÖFFNUNGEN BEI STAHLGUSS- UND EISEN-GUSSKOLBEN

Title (fr)

OUVERTURES D'AMENÉE ET D'ÉVACUATION COULÉES DANS DES PISTONS EN FONTE D'ACIER ET EN FONTE DE FER

Publication

EP 3377244 A1 20180926 (DE)

Application

EP 16801730 A 20161117

Priority

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- EP 2016077950 W 20161117

Abstract (en)

[origin: WO2017085164A1] Method for producing a piston (8), which has a cooling channel (4) created by means of a lost core (3), wherein, in a casting process using a casting mould into which the core (3) is placed before casting and using a casting melt, a piston blank (1) is cast and, after the casting melt has solidified, the piston blank (1) is removed from the casting mould and the core (3) is subsequently flushed out, and this is followed by the finishing of the cast blank (1) to produce the piston (8), wherein the core (3) extends into a region of the casting mould that forms an inner region of the piston blank (1) and the core (3) is used to form at least one opening having a rounded profile for the cooling channel (4) after the flushing out.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2017085164A1

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BA ME

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