

Title (en)

CASTING MOULD FOR CASTING A CAST PART AND USE OF SUCH A CASTING MOULD

Title (de)

GIESSFORM ZUM GIESSEN EINES GUSSTEILS UND VERWENDUNG EINER SOLCHEN GIESSFORM

Title (fr)

MOULE DE COULÉE POUR LA COULÉE D'UNE PIÈCE ET UTILISATION DE CE MOULE DE COULÉE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2008055973A1] The present invention relates to a casting mould for casting a cast part, in particular an engine block for an internal combustion engine, and the use of such a casting mould which is made up of mould parts 1, 2, 3, produced from moulding sand, and casting cores 4, 5, 6, 7, and has at least one casting core 4, 5, 6, 7 for forming a space in the cast part. The casting mould according to the invention makes it possible in a simple way to produce cast parts in which at least one locally confined portion is formed with a different microstructure than the rest of the cast part. This is achieved by a portion of the casting core 4, 5, 6, 7 being formed by a chill 9, which is made from a material of a thermal conductivity that is many times greater than the thermal conductivity of the remaining portion 8 of the casting core 4, 5, 6, 7, consisting of moulding sand.

IPC 8 full level

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