

Title (en)

METHOD FOR PRODUCING A METALLIC CAST PART

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES METALLISCHEN GUSSTEILES

Title (fr)

PROCEDE DE PRODUCTION D'UNE PIECE COULEE METALLIQUE

Publication

**EP 1569768 A1 20050907 (DE)**

Application

**EP 03769442 A 20031023**

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Abstract (en)

[origin: WO2004050278A1] The invention relates to a method for producing a metallic cast part according to a precision casting method, in particular a cast part consisting of aluminium or of an alloy containing aluminium, by pouring molten metal into a casting die, in particular a ceramic die. According to said method, prior to or after the pouring process the temperature of the casting die has been reduced or is reduced respectively to a temperature below that of the solidus point of the molten metal, in such a way that during the phase change from liquid to solid and/or solid-solid an expansion or contraction that causes the cracking of already solidified areas of the molten metal is prevented.

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