

Title (en)

MOLD INSERT FOR A CASTING CORE AND/OR A CASTING MOLD AND CASTING CORE AND/OR CASTING MOLD COMPRISING A MOLD INSERT

Title (de)

FORMEINLAGE FÜR EINEN GIESSKERN UND/ODER EINE GIESSFORM SOWIE GIESSKERN UND/ODER GIESSFORM MIT EINER FORMEINLAGE

Title (fr)

PIÈCE RAPPORTÉE POUR UN NOYAU DE COULAGE ET/OU UN MOULE DE COULÉE, ET NOYAU ET/OU MOULE DOTÉ DE CETTE PIÈCE RAPPORTÉE

Publication

**EP 2454037 B1 20160907 (DE)**

Application

**EP 10742718 A 20100714**

Priority

- EP 2010004297 W 20100714
- DE 102009033402 A 20090715

Abstract (en)

[origin: WO2011006651A2] A mold insert (10) for a casting core (100) and/or for a casting mold for producing components (1) that are made of casting metal and are to be provided with small and/or narrow hollow space (5) comprises a base body (20) having a rectangular, concave or convex cross-section, said base body having at least one contact region (22) with the casting metal and at least one contact region (24) with the casting core (100) and/or the casting mold. In order to make a cost-effective and reliable design of the small to very small hollow spaces or recesses in the castings (1) possible, the base body (20) is made of a fiber- and/or thread-containing material. The fiber-containing material is preferably paperboard, cardboard, paper, nonwoven fabric, nonwoven fabric material or felt, while the thread-containing material is a woven fabric, knitted fabric or interlaced fabric. The fiber- and/or thread-containing material may also be mixed and/or saturated with a binder. In the contact regions (24) with the casting core (100) and/or casting mold, breakthroughs (30) are provided. In order to increase the stability of the mold insert (10), the base body (20) can be designed in multiple layers, wherein a reinforcement (40) is arranged between the layers. At least one tab (50) designed on the base body (20) can be used to remove the mold insert (10) from the component (1).

IPC 8 full level

**B22C 9/10** (2006.01)

CPC (source: EP)

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Cited by

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DOCDB simple family (publication)

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