

Title (en)
INFILTRATE-STABILIZED SALT CORES

Title (de)
INFILTRAT-STABILISIERTE SALZKERNE

Title (fr)
NOYAUX DE SEL STABILISÉS PAR UN INFILTRAT

Publication
EP 2576100 A1 20130410 (DE)

Application
EP 11726376 A 20110601

Priority
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Abstract (en)
[origin: WO2011151420A1] Cores that are inserted into the mold when die-casting workpieces from metal in order to maintain the cavities that are provided in the workpieces when the molds are filled with the melt have to meet high requirements with regard to the dimensional, mechanical, and thermal stability of said cores as well as the ease with which said cores can be removed from the cavities. According to the invention, salt-based cores are therefore provided which can be produced by molding and compressing a core material mixture consisting of at least one salt, at least one binder, and if necessary auxiliaries such as additives, wetting agents, and catalysts. The salt, binder, and auxiliaries that are used if necessary are inorganic. Said core materials can be dissolved with water as a solvent. The parts are molded and compressed by core shooting or pressing, and the compressed cores are stabilized by an infiltrate.

IPC 8 full level
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B22C 9/105 (2013.01 - EP US); **B29C 33/52** (2013.01 - EP US); **B29C 45/4457** (2013.01 - EP US); **C08K 3/34** (2013.01 - US)

Citation (search report)
See references of WO 2011151420A1

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