

Title (en)

Material for foundry core with aerogel sand comprising water swellable clay

Title (de)

Kernwerkstoff aus tonhaltigem Sand mit einem Gehalt an quellfähigen Schichtsilikaten enthaltendem Aerogelsand

Title (fr)

Matériau pour la confection de noyaux de fonderie à base d'aérogel de silice contenant une argile gonflante

Publication

**EP 1852197 A1 20071107 (DE)**

Application

**EP 07106978 A 20070426**

Priority

DE 102006021151 A 20060506

Abstract (en)

Core material, for sand mold casting containing aerogel sand, comprises clayey sand with a content of phyllosilicate (3-20%). An independent claim is included for a method for preparing core material comprising preparing a sol, mixing the sol with clayey sand, gelling the sol and drying the gel.

Abstract (de)

Gegenstand der Erfindung ist ein Kernwerkstoff aus tonhaltigem Sand enthaltendem Aerogelsand sowie ein Verfahren zu dessen Herstellung.

IPC 8 full level

**B22C 1/16** (2006.01)

CPC (source: EP)

**B22C 1/167** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

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