

Title (en)

Foundry core with improved gutting properties I

Title (de)

Gießereikerne mit verbesserten Entkernungseigenschaften I

Title (fr)

Noyaux de fonderie dotés de propriétés de dénoyautage I améliorées

Publication

EP 2204246 B1 20181003 (DE)

Application

EP 09175206 A 20091106

Priority

DE 102008056856 A 20081112

Abstract (en)

[origin: EP2204246A2] The foundry core comprises sand, organic binder and resorcinol-formaldehyde-aerogel granulate, where the sand is quartz sand, sand based on aluminum oxide and/or sand based on mullite. The aerogel granulate and/or the sand has a grain size distribution of 0.1-0.9 mm. The aerogel granulate has a grain size of 0.5 mm. The portion of the aerogel granulate in the core is 12 vol.% or 0.5-0.75 wt.%. The core is removed by a thermal treatment at ≥ 300 [deg] C. An independent claim is included for a method for the production of foundry core.

IPC 8 full level

B22C 1/02 (2006.01); **B22C 9/10** (2006.01)

CPC (source: EP)

B22C 1/183 (2013.01); **B22C 1/2246** (2013.01)

Cited by

WO2024120666A1; CN108367337A; DE102022132848A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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