

Title (en)

METHOD FOR REGENERATING THE SAND OF SAND MOLDS AND SAND CORES

Title (de)

VERFAHREN ZUR REGENERIERUNG DES SANDS VON SANDFORMEN UND -KERNEN

Title (fr)

PROCÉDÉ DE RÉGÉNÉRATION DU SABLE DE MOULES ET DE NOYAUX EN SABLE

Publication

EP 2747914 B1 20161102 (DE)

Application

EP 12758771 A 20120824

Priority

- DE 102011081530 A 20110825
- EP 2012003585 W 20120824

Abstract (en)

[origin: WO2013026579A1] In order to regenerate the sand regained from sand molds and/or sand cores which are produced from the sand and soluble glass as a binding agent and used in metal casting, the sand regained from sand molds and/or sand cores is subjected to a mechanical regeneration stage and a thermal regeneration stage, and a hardening agent for soluble glass is added during or after the mechanical regeneration stage.

IPC 8 full level

B22C 5/04 (2006.01); **B22C 1/18** (2006.01); **B22C 1/20** (2006.01); **B22C 5/08** (2006.01)

CPC (source: EP US)

B22C 5/04 (2013.01 - EP US); **B22C 5/08** (2013.01 - EP US); **B22C 5/18** (2013.01 - US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

DE 102011081530 A1 20130228; CN 103561885 A 20140205; CN 103561885 B 20161116; EP 2747914 A1 20140702; EP 2747914 B1 20161102; ES 2607503 T3 20170331; US 2014166226 A1 20140619; US 8985184 B2 20150324; WO 2013026579 A1 20130228

DOCDB simple family (application)

DE 102011081530 A 20110825; CN 201280023150 A 20120824; EP 12758771 A 20120824; EP 2012003585 W 20120824; ES 12758771 T 20120824; US 201414188377 A 20140224