

Title (en)

METHOD FOR LIBERATING CAST PARTS FROM REMAINING MOLDING SAND, AND DEVICE FOR CARRYING OUT SAID METHOD

Title (de)

VERFAHREN ZUM BEFREIEN VON GUSSTEILEN VON GIESSSANDRESTEN UND VORRICHTUNG ZUR DURCHFUEHRUNG DES VERFAHRENS

Title (fr)

PROCEDE POUR ELIMINER DES RESIDUS DE SABLE DE MOULAGE SUR DES PIECES COULEES ET DISPOSITIF POUR METTRE EN OEUVRE CE PROCEDE

Publication

**EP 1689543 B1 20090429 (DE)**

Application

**EP 04802757 A 20041118**

Priority

- DE 2004002544 W 20041118
- DE 10354493 A 20031121

Abstract (en)

[origin: WO2005051573A2] Disclosed are a method for liberating cast parts from remaining molding sand, especially sand cores, and a device for carrying out said method. The cast parts to which the remaining molding sand sticks are introduced into the heated drum of a furnace system, the bottom area of said drum being filled with a bed of loose pourable material. The drum is made to rotate when the cast parts are guided therethrough such that the loose pourable material is conveyed from the bed of pourable material into the top area of the drum and is thrown down onto the cast parts so as to detach and destroy the sticking remaining molding sand. In this manner, the sticking remaining molding sand can be removed while the dwell time of the cast parts in the furnace system is kept particularly short.

IPC 8 full level

**B22D 29/00** (2006.01); **B22D 31/00** (2006.01); **F27B 7/20** (2006.01); **F27B 7/32** (2006.01)

CPC (source: EP)

**B22D 29/006** (2013.01); **B22D 31/002** (2013.01)

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**WO 2005051573 A2 20050609**; **WO 2005051573 A3 20051117**; AT E429990 T1 20090515; DE 10354493 A1 20050609; DE 502004009434 D1 20090610; EP 1689543 A2 20060816; EP 1689543 B1 20090429

DOCDB simple family (application)

**DE 2004002544 W 20041118**; AT 04802757 T 20041118; DE 10354493 A 20031121; DE 502004009434 T 20041118; EP 04802757 A 20041118