

Title (en)

MOULDING MATERIAL, MOULDING PART AND METHOD FOR THE PRODUCTION OF A CASTING MOULD

Title (de)

FORMSTOFF, FORMTEIL UND VERFAHREN ZUR HERSTELLUNG VON FORMTEILEN FÜR EINE GIESSFORM

Title (fr)

MATIERE A MOULER, PIECE MOULEE ET PROCEDE DE FABRICATION DE PIECES MOULEES POUR UN MOULE

Publication

**EP 1620216 B1 20060621 (DE)**

Application

**EP 04731830 A 20040508**

Priority

- EP 2004004936 W 20040508
- DE 10321106 A 20030509

Abstract (en)

[origin: WO2004098811A1] The invention relatest to a moulding material for moulding parts of casting moulds used to cast metal melts, especially light metal melts such as aluminium casting melts. Said moulding material makes it possible to produce non-sand-adherent cast moulding parts which are, especially casting cores, in an economical manner by virtue of the fact that it is produced using a basic mould material which is based on quartz-free sand, especially olivin sand, and an inorganic binder based on waterglass mixed with the basic mould material. The invention also relates to moulding parts which can be produced in an economical manner and a method enabling said moulding parts to be produced.

IPC 8 full level

**B22C 1/18** (2006.01); **B22C 1/00** (2006.01)

CPC (source: EP)

**B22C 1/188** (2013.01)

Cited by

DE102014221994A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**WO 2004098811 A1 20041118**; AT E330733 T1 20060715; AU 2004235962 A1 20041118; DE 10321106 A1 20041223; DE 502004000846 D1 20060803; EP 1620216 A1 20060201; EP 1620216 B1 20060621; ES 2267068 T3 20070301; MX PA05011996 A 20060202; PL 1620216 T3 20061130

DOCDB simple family (application)

**EP 2004004936 W 20040508**; AT 04731830 T 20040508; AU 2004235962 A 20040508; DE 10321106 A 20030509; DE 502004000846 T 20040508; EP 04731830 A 20040508; ES 04731830 T 20040508; MX PA05011996 A 20040508; PL 04731830 T 20040508