

Title (en)
CASTING MOULD AND METHOD FOR THE PRODUCTION THEREOF

Title (de)
GIESSFORM UND VERFAHREN ZU DEREN HERSTELLUNG

Title (fr)
MOULE ET SON PROCEDE DE FABRICATION

Publication
EP 1417060 B1 20050803 (DE)

Application
EP 03740129 A 20030508

Priority
• DE 10226817 A 20020615
• EP 0304802 W 20030508

Abstract (en)
[origin: DE10226817C1] Water-dispersible casting mold, especially foundry core, for producing castings, contains a water-insoluble particulate material (I), especially molding sand, and a binder comprising condensed phosphate(s) (II) as first binder component, and polyamine(s) (III) as second binder component. An Independent claim is also included for production of such a mold by mixing (I), (II) and (III) with addition of water, molding and removing (part of) the added free water.

IPC 1-7
B22C 1/18

IPC 8 full level
B22C 1/16 (2006.01); **B22C 1/18** (2006.01); **B22C 1/22** (2006.01)

CPC (source: EP US)
B22C 1/167 (2013.01 - EP US); **B22C 1/185** (2013.01 - EP US)

Cited by
DE102005024524A1; DE102005024524B4

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 PT RO SE SI SK TR

DOCDB simple family (publication)
US 2004238156 A1 20041202; AT E301013 T1 20050815; AU 2003276882 A1 20031231; AU 2003276882 A8 20031231;
DE 10226817 C1 20031113; DE 50300900 D1 20050908; EP 1417060 A1 20040512; EP 1417060 B1 20050803; MX PA04001282 A 20040527;
WO 03106071 A1 20031224

DOCDB simple family (application)
US 48665604 A 20040212; AT 03740129 T 20030508; AU 2003276882 A 20030508; DE 10226817 A 20020615; DE 50300900 T 20030508;
EP 0304802 W 20030508; EP 03740129 A 20030508; MX PA04001282 A 20030508