

Title (en)

Method for making sand molds in a blow-and-squeeze-type apparatus

Title (de)

Verfahren zum Herstellen von Sandformen in einer Schuss- und Pressformmaschine

Title (fr)

Procédé pour fabriquer des moules en sable dans une machine de soufflage et compression

Publication

EP 1025927 B1 20040428 (EN)

Application

EP 00102465 A 20000204

Priority

JP 2691299 A 19990204

Abstract (en)

[origin: EP1025927A1] A new method for making a sand mold in a blow-and-squeeze-type apparatus is provided. The apparatus comprises a pattern plate (1), a flask (2,3), a squeeze plate (6,7), and a blow head (8). This method is characterized in that the compactability of the molding sand of the obtained mold can be easily calculated, and in that when the molding sand of the obtained mold has a compactability that is outside the permissible range, before the next mold is made the molding condition(s) of the apparatus for making a mold and/or the mixing condition(s) of the mixer is modified. Thus, even though the properties and conditions of the molding sand change, molds having desired and suitable properties and conditions can be made. <IMAGE>

IPC 1-7

B22C 19/04; **B22C 15/28**

IPC 8 full level

B22C 15/02 (2006.01); **B22C 15/24** (2006.01); **B22C 15/28** (2006.01); **B22C 19/04** (2006.01)

CPC (source: EP)

B22C 15/28 (2013.01); **B22C 19/04** (2013.01)

Cited by

CN107206484A; EP3269471A4; US10512968B2

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 1025927 A1 20000809; **EP 1025927 B1 20040428**; **EP 1025927 B2 20090506**; DE 60010137 D1 20040603; DE 60010137 T2 20040909; DE 60010137 T3 20090924; JP 2000225440 A 20000815; JP 4092673 B2 20080528

DOCDB simple family (application)

EP 00102465 A 20000204; DE 60010137 T 20000204; JP 2691299 A 19990204