

Title (en)

Core blowing machine and method for producing a core

Title (de)

Kernschiessmaschine, sowie Verfahren zum Herstellen eines Kerns

Title (fr)

Machine et procédé à tirer les noyaux

Publication

EP 1690614 A1 20060816 (DE)

Application

EP 05100936 A 20050210

Priority

EP 05100936 A 20050210

Abstract (en)

A core shooting machine producing foundry molds or a core (2) from sand (5) in a mold (3) has a shooting plate (10) including a shooting head (4) with a cap (6) and nozzle (8) and also a table (14) movable to and away from head (4), the mold being formed of upper part (16) on plate (10), a lower part (18) on table (14) and a peripheral wall (20) and the upper (16) and/or lower (18) mold part being tightly enclosed in the shooting stage by wall (20) fixed to table (14) or plate (10) such that on shooting the sand into the cavity (22) the mold parts can move to compress the sand and so produce the foundry mold or core (2). An independent claim is also included for production of foundry molds or a core (2) from sand (5) in a cavity (22) in a mold (3) such that after shooting the upper (16) and/or lower (18) mold parts are moved so as to compress the sand.

IPC 8 full level

B22C 15/28 (2006.01); **B22C 15/24** (2006.01)

CPC (source: EP)

B22C 15/24 (2013.01); **B22C 15/28** (2013.01)

Citation (search report)

- [Y] DE 4422353 A1 19950112 - DANSK IND SYNDIKAT [DK]
- [XY] PATENT ABSTRACTS OF JAPAN vol. 012, no. 286 (M - 727) 5 August 1988 (1988-08-05)

Cited by

CN103978164A; CN106670399A; CN102626772A; CN105364023A; CN110421126A; CN105522121A; CN114749610A; US11103918B2

Designated contracting state (EPC)

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