

Title (en)

DEVICE FOR SHOOTING FOUNDRY CORES OR MOULDS WITH MOULDING MATERIALS

Title (de)

VORRICHTUNG ZUM SCHIESSEN VON GIESSEREIKERNEN ODER -FORMEN MIT FORMSTOFFEN

Title (fr)

DISPOSITIF POUR TIRER DES NOYAUX OU DES MOULES DE FONDERIE AVEC DES DEMI-PRODUITS MOULES

Publication

EP 0630304 B1 19951213 (DE)

Application

EP 93902063 A 19930130

Priority

- DE 9300074 W 19930130
- DE 4208647 A 19920318

Abstract (en)

[origin: WO9318874A1] A device for shooting foundry cores or moulds with moulding materials (1) has a shooting head (4) with an inlet side (2) and an outlet side (3), a shooting plate (6) located at the outlet side of the shooting head (4) and bearing at least one shooting nozzle (5) and a clamping head (7) located at the inlet side of the shooting head (4) and having at least an air supply (8) for sealing the shooting head (4) by applying compressed air thereon. The clamping head (7) is preferably movable vertically by means of a cylinder-piston arrangement (9). In order to avoid local air currents or to make the air flow more uniform during core shooting, said device is designed in such a way that a device (10) for swirling or uniformly distributing the compressed air that flows from the air supply (8) into the shooting head (4) is arranged between the shooting head (4) and the clamping head (7).

IPC 1-7

B22C 15/24

IPC 8 full level

B22C 15/24 (2006.01)

CPC (source: EP KR US)

B22C 15/24 (2013.01 - EP KR US)

Cited by

DE19642499B4

Designated contracting state (EPC)

CH DE ES FR GB IT LI SE

DOCDB simple family (publication)

WO 9318874 A1 19930930; DE 4208647 A1 19930923; DE 4208647 C2 19950629; DE 59301173 D1 19960125; EP 0630304 A1 19941228; EP 0630304 B1 19951213; ES 2081704 T3 19960316; JP 2527406 B2 19960821; JP H07501491 A 19950216; KR 0180254 B1 19990218; KR 950700796 A 19950220; US 5524703 A 19960611

DOCDB simple family (application)

DE 9300074 W 19930130; DE 4208647 A 19920318; DE 59301173 T 19930130; EP 93902063 A 19930130; ES 93902063 T 19930130; JP 51614993 A 19930130; KR 19940703258 A 19940917; US 30280494 A 19940915