

Title (en)

Method and apparatus for installation of cores in moulding plant for flask moulding

Title (de)

Verfahren und Vorrichtung zum Einlegen von Kernen in Kasten-Formanlagen

Title (fr)

Procédé et dispositif pour installer des noyaux dans une installation de moulage en forme de caisson

Publication

**EP 1447160 B1 20101027 (DE)**

Application

**EP 04000956 A 20040119**

Priority

DE 10302903 A 20030124

Abstract (en)

[origin: EP1447160A2] Device for placing cores into casting installations comprises a robot (5) and a holding unit (8) for a core which can be moved by the robot between an insertion position (II) in which at least one core is placed into the holding unit by an operator (12) and a releasing position (III) in which the core is released into a flask (2).

IPC 8 full level

**B22C 9/10** (2006.01); **B22C 9/18** (2006.01)

CPC (source: EP)

**B22C 9/108** (2013.01); **B22C 19/00** (2013.01); **B22C 23/00** (2013.01); **B22C 25/00** (2013.01)

Citation (examination)

- EP 0788856 A1 19970813 - TENEDORA NEMAK SA DE CV [MX]
- DE 3723830 A1 19890126 - BATTENFELD AUTOMATISIERUNG [AT]

Cited by

CZ303318B6; CN109434039A

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)

**EP 1447160 A2 20040818**; **EP 1447160 A3 20050921**; **EP 1447160 B1 20101027**; AT E485904 T1 20101115; DE 10302903 A1 20040805; DE 502004011808 D1 20101209; ES 2354816 T3 20110318

DOCDB simple family (application)

**EP 04000956 A 20040119**; AT 04000956 T 20040119; DE 10302903 A 20030124; DE 502004011808 T 20040119; ES 04000956 T 20040119