

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 pou installer des noyaux dans une installation de moulage en forme de caisson

Publication

EP 1447160 A3 20050921 (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 1-7

B22C 9/10

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 (search report)

- [XY] WO 0243901 A1 20020606 - GEORG FISCHER DISA AS [DK], et al
- [XY] US 4590982 A 19860527 - HUNTER WILLIAM A [US]
- [Y] FR 2503680 A1 19821015 - SAURER DIEDERICH SA [FR]
- [Y] US 5423372 A 19950613 - KEARNEY DOLORES C [US]
- [A] US 5441096 A 19950815 - WICK GARY L [US]
- [A] PATENT ABSTRACTS OF JAPAN vol. 1996, no. 11 29 November 1996 (1996-11-29)

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