

Title (en)

Knock-out device for casting cores

Title (de)

Vorrichtung zum Entkernen von Gussstücken

Title (fr)

Dispositif de débouillage de noyaux de coulée de pièces de fonderie

Publication

EP 0652063 B1 19991020 (FR)

Application

EP 94402482 A 19941103

Priority

- CA 2166836 A 19960109
- FR 9313208 A 19931105
- US 58371996 A 19960105

Abstract (en)

[origin: EP0652063A1] This device comprises a rigid chassis (12) having a vertical axis of symmetry (X) forming a virtual axis of oscillation of the chassis, defined by the intersection of the longitudinal and transverse vertical median planes of the chassis, this chassis being attached to a stationary support (14) by elastically deformable linking means (16). The knock-out device comprises, moreover, two devices (24) for gripping components to be knocked out, which are carried by two opposite ends of the chassis (12), being aligned in the median longitudinal plane, and two unbalance (unbalanced mass) motors (26) fixed on two opposite sides of the chassis (12), having axes of rotation parallel to the axis of symmetry (X) of the chassis (12) and aligned with this axis of symmetry in the transverse median plane, the motors (26) being intended, when operating, to make the chassis (12) oscillate about its virtual axis (X) so that the centre of gravity of each component to be knocked out describes a substantially horizontal and ellipsoid trajectory. <IMAGE>

IPC 1-7

B22D 29/00; **B22D 31/00**

IPC 8 full level

B22D 29/00 (2006.01); **B22D 31/00** (2006.01)

CPC (source: EP US)

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DOCDB simple family (publication)

EP 0652063 A1 19950510; **EP 0652063 B1 19991020**; CA 2166836 A1 19970710; DE 69421240 D1 19991125; DE 69421240 T2 20000713; ES 2141809 T3 20000401; FR 2711931 A1 19950512; FR 2711931 B1 19960209; US 5758713 A 19980602

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