

Title (en)

DEVICE FOR COMPACTING FOUNDRY MOULD MATERIAL BY MEANS OF PRESSURIZED GAS

Publication

**EP 0131723 B1 19870812 (DE)**

Application

**EP 84106120 A 19840529**

Priority

DE 3321955 A 19830618

Abstract (en)

[origin: EP0131723A1] 1. Device for compacting foundry mould material by means of pressurized gas, comprising a pressure tank (5) for the pressurized gas constituting an admission pressure chamber, a moulding zone positioned below it formed by moulding box (3), sand frame (4) and a pattern plate (1) with pattern (2) terminating the moulding box (3) at the bottom and onto which is loosely poured the moulding material prior to compacting and a valve with a large opening cross-section arranged between the admission pressure chamber and the moulding zone and whose closing member opens in the millisecond range and with which is associated a control valve (25, 26, 27), whose free opening cross-section is larger than the free cross-section of valve opening (8) and which can be adjusted to a given control cross-section by means of a control member (26) prior to the start of the opening movement of closing member (11).

IPC 1-7

**B22C 5/12**; **B22C 15/00**; **B22C 15/22**

IPC 8 full level

**B22C 15/24** (2006.01); **B22C 15/00** (2006.01)

CPC (source: EP)

**B22C 15/00** (2013.01)

Citation (examination)

EP 0129210 A2 19841227 - BADISCHE MASCHF GMBH [DE]

Cited by

CN109848373A; EP0152573B1

Designated contracting state (EPC)

CH FR GB IT LI SE

DOCDB simple family (publication)

**EP 0131723 A1 19850123**; **EP 0131723 B1 19870812**; DD 218847 A5 19850220; DE 3321955 A1 19841220; DE 3321955 C2 19890629; JP S6012254 A 19850122; YU 105484 A 19871231

DOCDB simple family (application)

**EP 84106120 A 19840529**; DD 26419384 A 19840615; DE 3321955 A 19830618; JP 12390784 A 19840618; YU 105484 A 19840615