

Title (en)

CONCRETE BLOCK MOLDING MACHINE HAVING CONTINUOUSLY DRIVEN VIBRATING SHAFT MECHANISM WHICH CAN BE PROGRAMMABLY VIBRATED AND METHOD OF PROGRAMMABLY VIBRATING SUCH MACHINES

Publication

EP 0353661 A3 19901128 (EN)

Application

EP 89114005 A 19890728

Priority

US 22587788 A 19880801

Abstract (en)

[origin: EP0353661A2] A cement block molding machine has a vibratable mold box incorporating at least one molding cavity for a cement mixture which is to be densified in the cavity. A continuously driven shaft (15) assembly mounts an eccentric fixed portion and a circumferentially adjustable balancing mass. The shaft assembly (5) has a cylinder (c) with a piston (26) therein, connected to the mass (25a) to produce rotary motion of the mass (25a) relative to the fixed eccentric portion (18, 19). A spring (28) of predetermined rate opposes this. The pressure of the fluid introduced is varied to change the amplitude of the vibration imparted during each cycle.

IPC 1-7

B28B 1/08; **B06B 1/16**

IPC 8 full level

B06B 1/16 (2006.01); **B28B 1/08** (2006.01); **B28B 1/087** (2006.01)

CPC (source: EP)

B06B 1/162 (2013.01); **B28B 1/0873** (2013.01)

Citation (search report)

- [Y] DE 3709112 C1 19880128 - KNAUER MASCHF GMBH
- [Y] GB 2108235 A 19830511 - DYNAPAC MASKIN AB
- [Y] FR 2517568 A1 19830610 - DEMLER SA ETS [FR]
- [YD] US 4312242 A 19820126 - WALLIS WILLIAM F
- [Y] AT 375845 B 19840910 - VOEST ALPINE AG [AT]
- [Y] AU 410034 A
- [Y] PATENT ABSTRACTS OF JAPAN, vol. 1, no. 15 (M-76), 23rd March 1977, page 1323 M 76; & JP-A-51 129 979 (SAKAI JUKOGYO K.K.) 11-10-1976
- [YP] PATENT ABSTRACTS OF JAPAN, vol. 13, no. 457 (C-644)[3805], 16th October 1989; & JP-A-1 176 481 (ITO SEIKO K.K.) 12-07-1989

Cited by

CN112440405A; EP0769356A1; KR100435793B1; RU2684682C1; CN108044779A; CN116604697A; WO9714543A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0353661 A2 19900207; **EP 0353661 A3 19901128**; **EP 0353661 B1 19930113**; AU 3914589 A 19900201; AU 624401 B2 19920611; CA 1321467 C 19930824; DE 68904376 D1 19930225; DE 68904376 T2 19930506; JP 2683422 B2 19971126; JP H0280203 A 19900320; NZ 230092 A 19921125

DOCDB simple family (application)

EP 89114005 A 19890728; AU 3914589 A 19890801; CA 607120 A 19890731; DE 68904376 T 19890728; JP 19704089 A 19890731; NZ 23009289 A 19890726