

12

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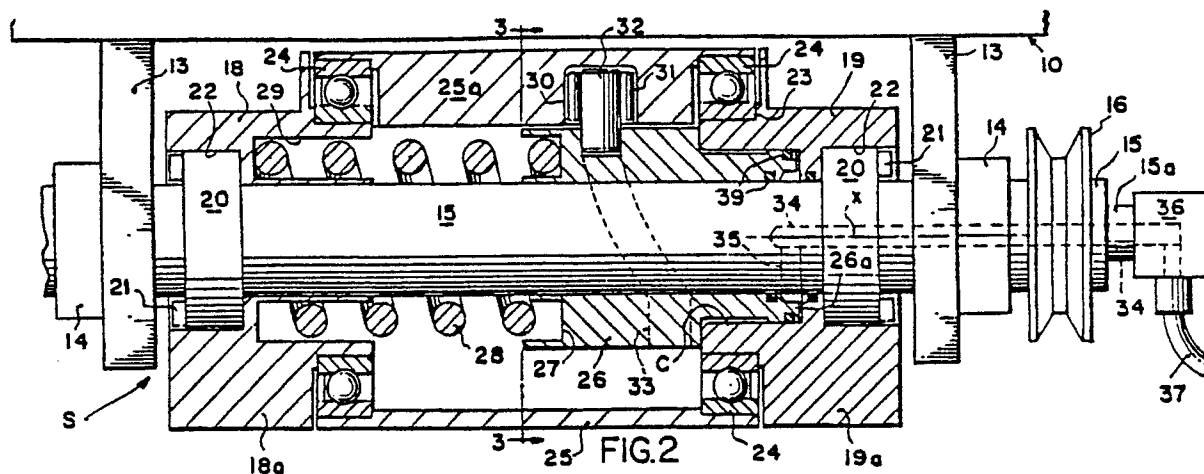
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54 Concrete block molding machine having continuously driven vibrating shaft mechanism which can be programmably vibrated and method of programmably vibrating such machines.

(57) 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.



EP 0 353 661 A3



DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
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 ---	1-11	B 28 B 1/08 B 06 B 1/16
Y	DE-C-3 709 112 (KNAUER GmbH MASCHINENFABRIK) * Whole document *	1-11	
Y,P	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 ---	6	
Y	GB-A-2 108 235 (DYNAPAC MASKIN A.B.) * Whole document *	1-11	
Y	FR-A-2 517 568 (ETS. DEMLER S.A.) * Whole document *	1-11	
Y,D	US-A-4 312 242 (BESSER CO.) * Whole document *	6	TECHNICAL FIELDS SEARCHED (Int. Cl.5)
Y	AT-A- 375 845 (VOEST-ALPINE A.G.) * Whole document *	1-5,7-11	B 06 B B 28 B
Y	AU-A- 410 034 (BESSER CO.) * Whole document *	1-5,7-11	
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 11-09-1990	Examiner GOURIER P.A.
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	