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54 **Slipforming extruder for hollow-core concrete elements.**

57 This publication describes a slipforming extruder for production of hollow-core concrete elements (23), movable in respect to a casting bed (4) and comprising a frame (18) which is movable, e.g. supported by wheels (19), and provided with at least two adjacent auger flights (2, 25) with flights (5) and a core-forming mandrel (3), attached to the final end of each auger flight (2). Furthermore, the machine comprises a primary drive and power train system (7, 15, 16, 17) for rotating the auger flights (2) and a feed apparatus attached to the frame (18), e.g. a hopper (1), for feeding the auger flights (2) with the concrete mix to be cast. According to the invention, a secondary drive and power train system (8...14) moves the adjacent auger flights (e.g. 2 and 25) in a synchronized and counterphased reciprocating manner in the axial direction. Because the machine disposes of core vibration, it achieves a low level of generated noise.

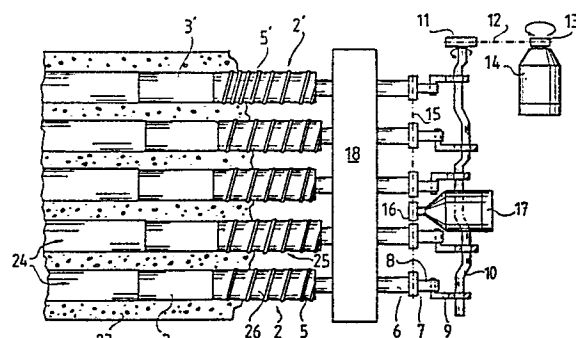


Fig. 2



DOCUMENTS CONSIDERED TO BE RELEVANT			EP 87890001.8
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 4)
X,P	EP - A1 - 0 174 923 (RAKENNUS- VALMISTE OY) * Page 5, lines 3-8; claim 10 * --	1,3,4	B 28 B 1/29 B 28 B 7/18
X,P	EP - A2 - 0 175 930 (INDUCO OY) * Page 8, lines 20-25 * --	1	
Y	EP - A2/A3 - 0 125 084 (OY PARTEK) * Fig. 5,6 * --	1,2,3	
Y	US - A - 3 177 552 (ROTH) * Column 4, lines 54-57 * --	1,2,3	
A	US - A - 3 143 782 (KALNS) * Column 7, lines 39-52 * --	1,2,3	TECHNICAL FIELDS SEARCHED (Int. Cl. 4)
A	GB - A - 391 320 (SCHAEFER) * Page 3, lines 88-93; fig. 8,9 * --	1,2	B 28 B
A	GB - A - 1 207 190 (A/S DANSK) * Totality * --		
The present search report has been drawn up for all claims			
Place of search VIENNA		Date of completion of the search 26-08-1987	Examiner GLAUNACH
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			

