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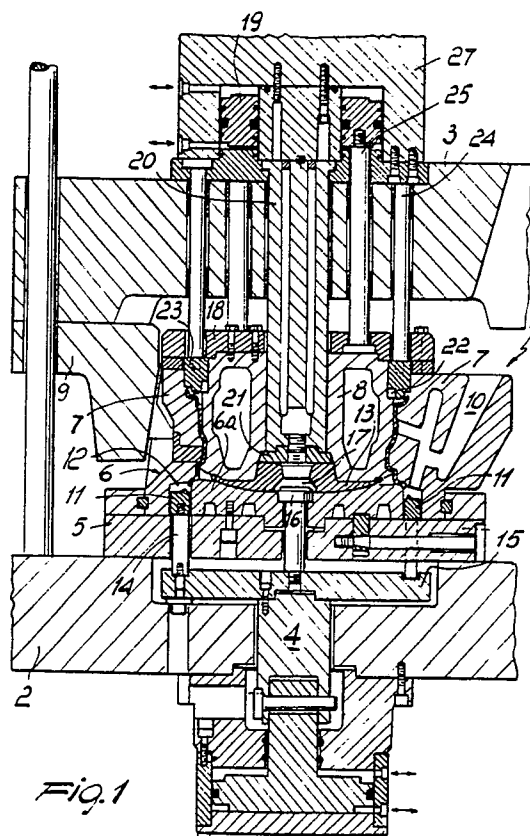
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(54) **Process for casting molten metal, in particular aluminium alloys and magnesium alloys, and device for its execution.**

(57) Process for casting molten metal, in particular aluminum alloys and magnesium alloys, and device for its execution. The process comprises in succession the steps of: casting molten metal in a molding cavity (13) and in at least one chamber (12) communicating with the cavity and arranged below it, pressure feeding the molding cavity completing its filling and at the same time pressure feeding the chamber in the solidification step, performing a high-pressure compression on the metal during the solidification step from the upper side of the molding cavity, extracting the cast part from the molding cavity.





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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.4)
X	EP-A-0 029 511 (FATALUMINIUM S.p.A.) * Figure 1; page 12, line 27 - page 13, line 18; page 14, line 27 - page 15, line 3 *	1,4-6, 15-16	B 22 D 27/11
Y	---	2	
X	BE-A- 887 135 (HONDA GIKEN KOGYO K.K.) * Figures 1-5 *	5-6,15-16	
X	---		
X	PATENT ABSTRACTS OF JAPAN, vol. 9, no. 252 (M-420)[1975], 9th October 1985; & JP-A-60 102 261 (HONDA GIKEN KOGYO K.K.) 06-06-1985 * Abstract *	5-6	
A	---		
A	PATENT ABSTRACTS OF JAPAN, vol. 10, no. 261 (M-514)[2317], 5th September 1986; & JP-A-61 86 060 (TAIHO KOGYO CO., LTD) 01-05-1986 * Abstract *	7-9	
Y	---		
Y	GB-A- 348 398 (A. JOHANSSON) * Page 1, lines 8-30 *	2	

The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 01-08-1989	Examiner DOUGLAS K.P.R.
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			