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⑤④ **Die casting apparatus and method.**

⑤⑦ A die casting apparatus (10) for forming rotors for electric motors includes a frame (12) having two opposed stationary pressure plates (16,18) and a rotating turret (22) rotatably mounted between these stationary plates for movement between three stations. The turret includes three apertures at three equally spaced locations around the turret. Tooling is arranged at each of the three stations for forming a rotor. Compensating and casting tooling (42, 30, 36) is located at a first station, pin pressing and trimming tooling is located at the second station and unloading tooling (52, 54) and loading tooling is located at the third station. The operations at the respective stations proceed simultaneously. The operations are selected so that the combined operations of each of the stations will take approximately equal amounts of time.

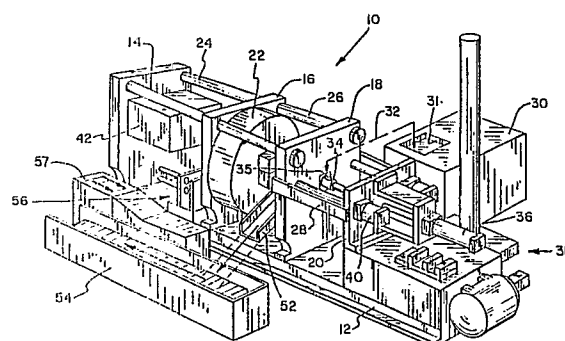


FIG. 1



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number

EP 87 30 7751

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)
A	US-A-4 064 928 (WUNDER) * claim 1 * ---	1,3-5	B 22 D 17/18 B 22 D 17/22
A	US-A-3 866 666 (WUNDER) * claim 1 * ---	1,3-5	
A	US-A-4 362 205 (COLE) * claim 1; figure 1 * -----	1,7-10	
			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			B 22 D 17/00 B 22 D 19/00
The present search report has been drawn up for all claims			
Place of search BERLIN		Date of completion of the search 22-04-1988	Examiner GOLDSCHMIDT G
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	