

Title (en)
DIE CASTING APPARATUS AND METHOD

Publication
EP 0274183 A3 19880810 (EN)

Application
EP 87307751 A 19870902

Priority
US 93963286 A 19861209

Abstract (en)
[origin: EP0274183A2] 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.

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IPC 8 full level
B22D 19/00 (2006.01); **B22D 17/00** (2006.01); **B22D 17/18** (2006.01); **B22D 17/22** (2006.01)

CPC (source: EP)
B22D 17/18 (2013.01); **B22D 17/22** (2013.01)

Citation (search report)
• [A] US 4064928 A 19771227 - WUNDER WILLIAM G
• [A] US 3866666 A 19750218 - WUNDER WILLIAM G
• [A] US 4362205 A 19821207 - COLE JAMES C, et al

Cited by
CN110202110A; DE4438969A1

Designated contracting state (EPC)
CH DE FR GB IT LI

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EP 0274183 A2 19880713; **EP 0274183 A3 19880810**; CN 1008244 B 19900606; CN 87107238 A 19880622; JP S63144850 A 19880617

DOCDB simple family (application)
EP 87307751 A 19870902; CN 87107238 A 19871201; JP 29499987 A 19871121