

Title (en)  
Low pressure die casting apparatus.

Title (de)  
Niederdruck-Kokillen-Giesseinrichtung.

Title (fr)  
Dispositif de moulage sous basse pression.

Publication  
**EP 0398168 A1 19901122 (DE)**

Application  
**EP 90108862 A 19900511**

Priority  
CH 190989 A 19890519

Abstract (en)  
Secured on the portal-like supporting frame (20) is the turntable (28), on the double-armed crossbeam (36) of which two supporting devices (38) for the dies (41) are arranged in a manner which allows them to be raised and lowered. The axis (30) of rotation of the turntable (28) extends between the melting furnace (10) and the coating bath (60). The pillars (22, 22') of the supporting frame (20) are provided outside the swivelling range of the supporting device (38). The supporting device (38) can be swivelled about the axis (30) of rotation from the casting position above the melting furnace (10) to the coating bath (60) and further workstations. The rail profile (44) is mounted to be swivellable about the axis (46) on the supporting profile (42) displaceable in the vertical direction. The die parts (40) are arranged on supports (50) which are mounted on the supporting element (48) and slide (54) in such a way as to be swivellable about the swivelling axes (52). <IMAGE>

Abstract (de)  
Am portalförmigen Traggestell (20) ist der Drehtisch (28) befestigt, an dessen doppelarmigem Ausleger (36) zwei Tragvorrichtungen (38) für die Kokillen (41) heb- und senkbar angeordnet sind. Die Drehachse (30) des Drehtisches (28) verläuft zwischen dem Schmelzofen (10) und dem Schlichtbad (60). Die Säulen (22, 22') des Traggestells (20) sind ausserhalb dem Schwenkbereich der Tragvorrichtung (38) vorgesehen. Die Tragvorrichtung (38) ist um die Drehachse (30) von der Giessstellung oberhalb des Schmelzofens (10) zum Schlichtbad (60) und weiteren Arbeitsstationen verschwenkbar. Am in vertikaler Richtung verschiebbaren Tragprofil (42) ist das Schienenprofil (44) um die Achse (46) schwenkbar gelagert. Die Kokillenteile (40) sind an Trägern (50) angeordnet, die um die Schwenkachsen (52) am Tragelement (48) bzw. Schlitten (54) gelagert sind.

IPC 1-7  
**B22D 18/04**; **B22D 33/00**

IPC 8 full level  
**B22D 18/04** (2006.01); **B22D 33/00** (2006.01); **B22D 47/00** (2006.01)

CPC (source: EP)  
**B22D 18/04** (2013.01); **B22D 33/00** (2013.01); **B22D 47/00** (2013.01)

Citation (search report)  
• [A] EP 0055210 A1 19820630 - EGRO AG [CH]  
• [A] GB 2046149 A 19801112 - KARRER WEBER & CIE AG  
• [A] PATENT ABSTRACTS OF JAPAN, Band 10, Nr. 218 (M-503)[2274], 30. Juli 1986, Seite 86 M 503; & JP-A-61 56 763 (SINTOKOGIO LTD) 22-03-1986

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