

Title (en)

Device for attaching a suction tube to the casting chamber of a vacuum die-casting machine.

Title (de)

Vorrichtung zum Befestigen eines Saugrohres an der Giesskammer einer Vakuum-Druckgiessmaschine.

Title (fr)

Dispositif pour fixer une busette d'aspiration à la chambre de coulée d'une machine de coulée à dépression.

Publication

EP 0285687 A1 19881012 (DE)

Application

EP 87105123 A 19870407

Priority

EP 87105123 A 19870407

Abstract (en)

1. Device for attaching a suction tube (12) to the casting chamber (8) of a vacuum die casting machine including a guide frame which has a mounting plate (11) which removably supports the upper end of the suction tube (12) and which is mounted so as to be longitudinally movable with it between a coupling position, in which the suction tube (12) is connected to the insertion opening of the fixed casting chamber, and a decoupling position, in which the upper end of the suction tube (12) is spaced from the insertion opening of the casting chamber (8), and is pressed in the coupling position towards the insertion opening of the casting chamber (8), characterised in that a spring element (4) is provided for applying the pressure of the suction tube (12) against the casting chamber (8) in the coupling position, which spring element constantly urges the guide frame (10) in the direction towards its coupling position, even in the decoupled state and that in the decoupled state the mounting plate (11) may be swung out laterally together with the upper end of the suction tube (12) with respect to the guide frame (10).

Abstract (de)

Bei einer Vorrichtung zum Befestigen eines Saugrohres (12) an der Gießkammer (8) einer Vakuum-Druckgießmaschine ist ein das obere Ende des Saugrohres (12) halterndes Führungsgestell (10) vorgesehen, das von einer Abkoppel- in eine Ankoppelstellung und umgekehrt überführbar ist, wobei in der Abkoppelstellung das Ende des Saugrohres (12) von der Gießkammer (8) entfernt gehalten und am Führungsgestell (10) auswechselbar angebracht ist, während in der Ankoppelstellung das Ende des Saugrohres (12) unter Federvorspannung gegen die Einlaßöffnung an der Gießkammer angedrückt wird.

IPC 1-7

B22D 17/30; **B22D 18/06**

IPC 8 full level

B22D 17/30 (2006.01); **B22D 18/06** (2006.01)

CPC (source: EP)

B22D 17/30 (2013.01); **B22D 18/06** (2013.01)

Citation (search report)

- [X] US 2837792 A 19580610 - LUCIAN RING
- [A] US 2112343 A 19380329 - NATHAN LESTER, et al
- [A] US 2837794 A 19580610 - LUCIAN RING

Cited by

DE4123464A1

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0285687 A1 19881012; **EP 0285687 B1 19900808**; AT E55295 T1 19900815; DE 3764263 D1 19900913

DOCDB simple family (application)

EP 87105123 A 19870407; AT 87105123 T 19870407; DE 3764263 T 19870407