

Title (en)

Coupling device for the piston rod of a pressure die-casting plunger

Title (de)

Kupplungsvorrichtung für die Kolbenstange eines Druckgiesskolbens

Title (fr)

Dispositif de couplage pour la tige d'un piston à couler sous pression

Publication

EP 0922513 A1 19990616 (DE)

Application

EP 98123215 A 19981205

Priority

DE 19754532 A 19971209

Abstract (en)

The coupling unit (13) for attaching the die casting piston to the cylinder of a die casting machine has an arrangement (14) which supports the piston rod (10) from below at a point located at a distance from the coupling unit.

Abstract (de)

Eine Kupplungsvorrichtung zur Befestigung der Kolbenstange (10) eines Druckgießkolbens (11) am Zylinder einer Druckgießmaschine, die eine Vorrichtung (14) zur Abstützung der Kolbenstange (10) von unten an einer von der Kupplungsvorrichtung (13) entfernten Stelle aufweist. <IMAGE>

IPC 1-7

B22D 17/20

IPC 8 full level

B22D 17/20 (2006.01)

CPC (source: EP)

B22D 17/2015 (2013.01)

Citation (search report)

- [X] JP H0699263 A 19940412 - MAZDA MOTOR & PATENT ABSTRACTS OF JAPAN vol. 018, no. 363 (M - 1635) 8 July 1994 (1994-07-08)
- [A] DE 974939 C 19610608 - ECKERT G M B H GEB
- [A] DE 1458061 A1 19690417 - GEN MOTORS CORP
- [A] US 3074131 A 19630122 - WERNECKE HEINZ C
- [A] WO 9638246 A1 19961205 - FISCHER REPRESENTACOES LTDA W [BR], et al
- [A] JP S55165263 A 19801223 - MITSUI MINING & SMELTING CO & PATENT ABSTRACTS OF JAPAN vol. 005, no. 039 (M - 059) 14 March 1981 (1981-03-14)

Designated contracting state (EPC)

AT CH GB IT LI

DOCDB simple family (publication)

EP 0922513 A1 19990616; EP 0922513 B1 20030326; AT E235334 T1 20030415; DE 19754532 C1 19990401

DOCDB simple family (application)

EP 98123215 A 19981205; AT 98123215 T 19981205; DE 19754532 A 19971209