

Title (en)

Drive arrangement for a metal extrusion press

Title (de)

Antriebsanordnung einer Metallstrangpresse

Title (fr)

Système d'entraînement pour une presse d'extrusion de métaux

Publication

EP 1134044 A3 20030521 (DE)

Application

EP 00127142 A 20001212

Priority

DE 10006704 A 20000215

Abstract (en)

[origin: US2001023606A1] A drive system for the container holder and the travelling beam of a metal extruder press in which a return stroke is accelerated by connecting the annular chambers of the travelling beam and container holder cylinders to a pressurization force and with the full piston area chambers of the container holder connected to a tank, connecting the full piston area chambers of the travelling beam to the pressure source as well.

IPC 1-7

B21C 23/21

IPC 8 full level

B21C 31/00 (2006.01); **B21C 23/21** (2006.01)

CPC (source: EP US)

B21C 23/211 (2013.01 - EP US)

Citation (search report)

- [X] US 3446053 A 19690527 - GOVAN WILLIAM L
- [A] EP 0822017 A1 19980204 - SMS SCHLOEMANN GMBH [DE]
- [A] EP 0531612 A1 19930317 - INNOCENTI ENG SPA [IT]
- [A] DE 2814525 A1 19781005 - DAVY LOEWY LTD

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

US 2001023606 A1 20010927; US 6484548 B2 20021126; AT E306332 T1 20051015; DE 10006704 A1 20010823; DE 10006704 B4 20050224; DE 50011331 D1 20051117; EP 1134044 A2 20010919; EP 1134044 A3 20030521; EP 1134044 B1 20051012; ES 2250067 T3 20060416; JP 2001252714 A 20010918; JP 3646069 B2 20050511

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US 78375701 A 20010215; AT 00127142 T 20001212; DE 10006704 A 20000215; DE 50011331 T 20001212; EP 00127142 A 20001212; ES 00127142 T 20001212; JP 2001035856 A 20010213