Title (en)

Improved press for extruding non-ferrous metal section members

Title (de)

Verbesserte Presse zum Strangpressen von Profilelementen aus Nichteisenmetall

Title (fr)

Presse améliorée pour extruder des éléments à section métallique non ferreuse

Publication

EP 2000226 A1 20081210 (EN)

Application

EP 08010226 A 20080605

Priority

IT MI20071153 A 20070606

Abstract (en)

An extruding press for extruding non-ferrous metal section or profiled elements comprises an extruding punch (2) driven by hydraulic driving cylinders (3, 4), fluid-supplied by a pump controlled by at least a motor (16) having a low moment of inertia, in particular a three-phase asynchronous motor for converters. With respect to prior extruding presses for extruding non-ferrous metal section members, the inventive press provides the advantage of overcoming a conventional requirement of providing servo-valves and a related driving pump, for controlling the cylinder driving pump flow-rate or displacement. A further advantage of the inventive extruding press is that the cylinder driving pump motor is driven only as it is necessary, and is left in a rest condition as the press cylinder is in a rest condition.

IPC 8 full level

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

CPC (source: EP)

B21C 23/211 (2013.01); **B21C 31/00** (2013.01)

Citation (search report)

- [A] JP H01309718 A 19891214 - NIPPON ALUMINIUM MFG, et al
- [A] US 3649816 A 19720314 - JOHNES ALFRED W, et al

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EP2361700A1; US9211577B2; CN106862291A; CN102166829A; DE102011009689B4; WO2013028558A3; WO2016199055A1; JP2011177014A; DE102011009689A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

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