

Title (en)  
METHOD FOR PRODUCING METAL EXTRUSION PRESS PRODUCTS, AND EXTRUSION AND TUBE PRESS

Title (de)  
VERFAHREN ZUM HERSTELLEN VON METALLISCHEN STRANGPRESSPRODUKTEN SOWIE STRANG- UND ROHRPRESSE

Title (fr)  
PROCÉDÉ DE PRODUCTION DE PRODUITS MÉTALLIQUES FILÉS AINSI QUE PRESSE À FILER POUR PRODUITS PLEINS ET TUBULAIRES

Publication  
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Application  
**EP 12788437 A 20121031**

Priority

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- EP 2012004553 W 20121031

Abstract (en)  
[origin: WO2013064250A1] The invention relates to extrusion and pipe presses (1), comprising a press frame consisting of a cylindrical spar (2) and a counter spar (4) connected thereto, in which a mobile billet container holder (7) supporting a billet container (8), which puts a billet (18) to be pressed, which was introduced by a loading device, into a press position in front of the counter spar (4) with the associated tool (38), and a mobile punch crosshead (6) are provided. In the cylindrical spar (2), a main cylinder, or press cylinder, is arranged, which in the cylinder housing (9) thereof receives a press piston (11), which at the front end thereof that is supported by the punch crosshead (6) is connected to a press punch (19). A compensation tank (15), which delivers hydraulic oil to the press piston (11) by way of a slider plate (28), is assigned to a main cylinder housing (9) connected to a tank line. With an extrusion press such as this, the considerable hydraulic expenditure, and in particular the non-productive time, are to be substantially reduced, while making the structural design more compact and simple at the same time. To accomplish this, the advancing and feed motions of the billet container holder (7) and punch crosshead (6) with press piston (11) are carried out by electromotive force, and both the pre-compression of the billet (18) loaded into the billet container (8) and the subsequent compression of the billet (18) are done by hydraulic loading of the press piston (11). Electric motors (12, 13) are assigned to the punch crosshead (6) and the billet container holder (7) as adjustment drives. A large-scale filling valve (20) is integrated in the cylinder housing (9) of the main cylinder for loading the press piston (11).

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