

Title (en)
Electro-hydraulic linear actuator for presses

Title (de)
Elektro-hydraulischer Linearantrieb für Pressen

Title (fr)
Actionneur linéaire électro-hydraulique pour presses

Publication
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Application
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Abstract (en)
[origin: EP1531039A2] The invention deals with the field of presses and, more precisely, deals with a linear actuator that comprises a simple- or double-acting jack with movement of piston or rod (3) obtained by means of an electro-hydraulic system. The rod or piston (3) provides for a scroll (5) in which a nut screw (6) can rotate and is actuated by a reversible electric motor (21); the nut screw provides for an annular groove (16) adapted to normally discharge the hydraulic circuit supplying the jack during the quick descent and rise steps of the rod. The upward movement of the screw, from the tool working start time, makes the oil discharge circuit close and therefore generates the electric plus hydraulic thrust onto rod or piston: Resilient means (15) are provided that counteract the upward movement of the screw. <IMAGE>

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