

Title (en)

Electrohydraulically-operated press head with reduced energy consumption

Title (de)

Elektrohydraulisch betriebener Pressenkopf mit reduziertem Stromverbrauch

Title (fr)

Tête de presse à fonctionnement électro-hydraulique à consommation énergétique réduite

Publication

EP 2383107 A1 20111102 (EN)

Application

EP 11161928 A 20110411

Priority

IT MI20100727 A 20100428

Abstract (en)

An electrohydraulically-operated press head with reduced energy consumption comprising a body (2) that internally defines a substantially cylindrical main chamber (3) that accommodates, so that it can slide along an axial direction, a main piston (5) which is provided with a stem (6) that protrudes from an axial end of the main chamber (3), the main piston (5) divides the main chamber (3) into two parts, the second part (8) is connected, by means of a connecting passage (9), to a service chamber (10). The press head further comprises a power element (12), which can be inserted on command in the second part (8) of the main chamber (3) in order to increase the pressure in the second part (8) of the main chamber (3) when the connecting passage (9) is closed. The press head further comprises a first actuator (11), which is connected to the main piston (5), and a second actuator (13), which is connected to the power element (12), at least one between the first actuator (11) and the second actuator (13) is constituted by an actuator of the electric type.

IPC 8 full level

B30B 1/24 (2006.01); **B30B 1/32** (2006.01); **B30B 15/16** (2006.01)

CPC (source: EP)

B30B 1/24 (2013.01); **B30B 1/323** (2013.01); **B30B 15/161** (2013.01)

Citation (search report)

- [YA] GB 1578697 A 19801105 - SMG SUEDEDEUTSCHE MASCHINENBAU
- [YA] DE 1284303 B 19681128 - NEMETZ JOSEF
- [A] US 5247871 A 19930928 - BRASCA CARLO [IT], et al
- [A] JP H10148201 A 19980602 - KOYO SEIKO CO

Designated contracting state (EPC)

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2383107 A1 20111102; **EP 2383107 B1 20131030**; IT 1399908 B1 20130509; IT MI20100727 A1 20111029

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