

Title (en)

METHOD OF OPERATING A HYDRAULIC PRESSING UNIT, AND HYDRAULIC PRESSING UNIT

Title (de)

VERFAHREN ZUM BETREIBEN EINES HYDRAULISCHEN VERPRESSGERÄTES SOWIE HYDRAULISCHES VERPRESSGERÄT

Title (fr)

PROCÉDÉ POUR FAIRE FONCTIONNER UN APPAREIL DE COMPRESSION HYDRAULIQUE AINSI QU'APPAREIL DE COMPRESSION HYDRAULIQUE

Publication

**EP 2024112 A1 20090218 (DE)**

Application

**EP 07729579 A 20070529**

Priority

- EP 2007055156 W 20070529
- DE 102006026552 A 20060608

Abstract (en)

[origin: WO2007141156A1] The invention relates firstly to a method of operating a hydraulic pressing unit (1), wherein a motion part (7) is moved into a pressing position by the build-up of a hydraulic pressure which results from the filling of a hydraulic space (6) with hydraulic medium from a supply space (5), wherein furthermore the motion part (7) is designed to move back automatically from the pressing position into an end position under the effect of a return spring (15), and the non-return valve (16) is designed to close only after the pressure drops below a certain pressure acting on the non-return valve (16) due to the hydraulic medium running back, and furthermore to such a hydraulic pressing unit (1). In order to specify a method which enables the motion part to be optionally stopped in a position, it is proposed that, in order to have an effect on the hydraulic medium upstream of the non-return valve (16), said hydraulic medium flowing when the latter is open, means (25) are provided which counteract the flow of the hydraulic medium in such a way that a pressure drop which occurs leads to the displacement of the non-return valve (16) into the closed position. In concrete terms, an improvement from the manipulation point of view is achieved in that means (25) are provided which act on the flow of the hydraulic medium in the sense of a pressure drop in such a way that the non-return valve (16) moves into the closed position.

IPC 8 full level

**B21J 15/20** (2006.01); **B25B 27/10** (2006.01)

CPC (source: EP KR US)

**B21J 15/20** (2013.01 - EP KR US); **B25B 27/10** (2013.01 - EP KR US); **B30B 15/16** (2013.01 - KR)

Citation (search report)

See references of WO 2007141156A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

**DE 102006026552 A1 20071213**; CN 101500728 A 20090805; CN 101500728 B 20130612; EP 2024112 A1 20090218; EP 2024112 B1 20170614; ES 2633924 T3 20170926; KR 101469451 B1 20141205; KR 20090017697 A 20090218; RU 2008152791 A 20100720; RU 2428301 C2 20110910; US 2009133591 A1 20090528; US 7908963 B2 20110322; WO 2007141156 A1 20071213

DOCDB simple family (application)

**DE 102006026552 A 20060608**; CN 200780029596 A 20070529; EP 07729579 A 20070529; EP 2007055156 W 20070529; ES 07729579 T 20070529; KR 20097000404 A 20070529; RU 2008152791 A 20070529; US 30254907 A 20070529