

Title (en)

MANUALLY ACTUATED PRESS WITH OVERLOAD PROTECTION AND METHOD OF PROTECTION OF A MANUALLY ACTUATED PRESS

Title (de)

HANDBETÄTIGTE PRESSE MIT ÜBERLASTSICHERUNG UND VERFAHREN ZUM SCHÜTZEN EINER HANDBETÄTIGTEN PRESSE

Title (fr)

PRESSE A MAIN COMPRENANT UNE SECURITE CONTRE LA SURCHARGE ET PROCÉDÉ DE PROTECTION D'UNE PRESSE A MAIN

Publication

**EP 1912780 B1 20120502 (DE)**

Application

**EP 06754698 A 20060710**

Priority

- EP 2006006717 W 20060710
- DE 102005034424 A 20050713

Abstract (en)

[origin: US2008173191A1] A manually operated press comprises an actuation lever coupled to a shaft assembly. An actuation of the actuation lever is transformed into a stroke movement of a press ram coupled to the shaft assembly and, accordingly, into a change of a relative displacement position of the press ram. A clutch assembly is provided for interrupting a flow of force between the actuation lever and the press ram. The shaft is at least two-piece, namely configured with an input shaft and an output shaft. The clutch is adapted to separate the input shaft from the output shaft depending on the pressing force and/or the relative displacement position of the press ram. The shaft assembly comprises an input shaft and an output shaft. The input shaft extends as an inner shaft through the output shaft being configured as a hollow shaft. The clutch assembly has a first clutch designed as a stroke stop for immobilizing the input shaft with a housing of said press depending on pressing force and/or relative displacement position of the press ram, and a second clutch designed as an overload clutch for interrupting a flow of force between the input shaft and the output shaft.

IPC 8 full level

**B30B 15/28** (2006.01); **B30B 1/24** (2006.01); **B30B 15/00** (2006.01); **B30B 15/10** (2006.01); **B30B 15/12** (2006.01); **B30B 15/14** (2006.01)

CPC (source: EP US)

**B30B 1/24** (2013.01 - EP US); **B30B 15/0094** (2013.01 - EP US); **B30B 15/10** (2013.01 - EP US); **B30B 15/12** (2013.01 - EP US); **B30B 15/142** (2013.01 - EP US); **B30B 15/281** (2013.01 - EP US)

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 NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**US 2008173191 A1 20080724**; **US 7562622 B2 20090721**; AT E555897 T1 20120515; CN 101253039 A 20080827; CN 101253039 B 20110629; DE 102005034424 A1 20070118; DE 102005034424 B4 20070927; EP 1912780 A1 20080423; EP 1912780 B1 20120502; ES 2384111 T3 20120629; WO 2007006523 A1 20070118

DOCDB simple family (application)

**US 1309108 A 20080111**; AT 06754698 T 20060710; CN 200680031785 A 20060710; DE 102005034424 A 20050713; EP 06754698 A 20060710; EP 2006006717 W 20060710; ES 06754698 T 20060710