

Title (en)

Device for pre-tensioning a machine frame, machine frame and press and pull device

Title (de)

Vorrichtung zum Vorspannen eines Maschinengestells, Maschinengestell sowie Press- und Ziehvorrichtung

Title (fr)

Dispositif de prétension d'un bâti de machine, bâti de machine et dispositif de presse et de traction

Publication

EP 2468492 A3 20141022 (DE)

Application

EP 11009491 A 20111130

Priority

- DE 102010055339 A 20101221
- US 201061460335 P 20101230

Abstract (en)

[origin: EP2468492A2] The device (20) has a tie rod (21) provided with rod head (22,23) for placement on the machine frame (50). A tension element (24) is provided for absorbing tensile forces between the rod heads. The tension element is extended along a tension distance (25) of the tie rod. One of the two rod heads is provided with reversing device (26) used for reversing the direction for the tension element. Independent claims are included for the following: (1) machine frame; and (2) pressing and drawing device.

IPC 8 full level

B30B 15/04 (2006.01); **F16M 1/00** (2006.01)

CPC (source: EP KR US)

B21J 9/00 (2013.01 - KR); **B21J 13/04** (2013.01 - KR); **B30B 15/04** (2013.01 - KR); **B30B 15/042** (2013.01 - EP US)

Citation (search report)

- [XDAYI] JP S54150181 U 19791018
- [XAY] EP 2255960 A1 20101201 - SACMI [IT]
- [XAY] US 3783774 A 19740108 - GROOS H, et al
- [XA] US 3884142 A 19750520 - JONSSON FINN LENNART
- [XDA] DE 2818511 B1 19781026 - SIEMPELKAMP GMBH & 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 2468492 A2 20120627; **EP 2468492 A3 20141022**; CN 102529146 A 20120704; DE 102010055339 A1 20120621;
DE 102010055339 B4 20121122; JP 2012130968 A 20120712; KR 20120070510 A 20120629; US 2012153244 A1 20120621

DOCDB simple family (application)

EP 11009491 A 20111130; CN 201110432461 A 20111221; DE 102010055339 A 20101221; JP 2011279009 A 20111220;
KR 20110135730 A 20111215; US 201113329508 A 20111219