Title (en)

Device and method for measuring the vertical position of top and bottom punches of a rotary tablet press

Title (de)

Vorrichtung und Verfahren zur Messung der vertikalen Position von Ober- und Unterstempeln einer Rundläufer-Tablettenpresse

Title (fr)

Dispositif et procédé de mesure de la position verticale de poinçons supérieurs et inférieurs d'une presse rotative pour comprimés

Publication

EP 2105291 A3 20121205 (DE)

Application

EP 09003349 A 20090307

Priority

DE 102008015820 A 20080327

Abstract (en)

[origin: EP2105291A2] The device has a scale (54) e.g. incremental scale and absolute scale, arranged on one of upper and/or lower punches (18, 20), where the scale runs parallel to a vertical movement direction of the respective punches. A reading device (56) is associated to the scale and is synchronously rotated with a rotor (12). The reading device is provided for measuring a vertical position of the respective punches by optically, magnetically, capacitively and/or inductively reading out the scale. The reading device is arranged on upper and lower receptacles (22, 24) of the respective punches. An independent claim is also included for a method for measuring a vertical position of upper and lower punches.

IPC 8 full level

B30B 11/00 (2006.01); **B30B 11/08** (2006.01)

CPC (source: EP US)

B30B 11/005 (2013.01 - EP US); **B30B 11/08** (2013.01 - EP US)

Citation (search report)

- [XDY] DE 102005051567 A1 20070426 - KORSCH AG [DE]
- [Y] US 6442859 B1 20020903 - HINZPETER JUERGEN [DE], et al
- [A] GB 1216397 A 19701223 - MARSHALL KEITH
- [A] US 5760392 A 19980602 - HISAMOTO KENJI [JP], et al
- [A] EP 0620108 A1 19941019 - FETTE WILHELM GMBH [DE]

Designated contracting state (EPC)

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 SE SI SK TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

EP 2105291 A2 20090930; **EP 2105291 A3 20121205**; **EP 2105291 B1 20170503**; DE 102008015820 A1 20091001; DE 102008015820 B4 20130228; US 2009243132 A1 20091001; US 7988440 B2 20110802

DOCDB simple family (application)

EP 09003349 A 20090307; DE 102008015820 A 20080327; US 40831009 A 20090320