

Title (en)
POSITIONING DEVICE

Title (de)
ANSTELLVORRICHTUNG

Title (fr)
DISPOSITIF DE MISE EN CONTACT

Publication
EP 3150292 A1 20170405 (DE)

Application
EP 15188048 A 20151002

Priority
EP 15188048 A 20151002

Abstract (en)
[origin: WO2017055189A1] The invention relates to an adjustment device for adjusting a roll in a roll rack (13) of a roll stand, said adjustment device comprising a cylinder housing (2) that can be secured to a roll rack (13), and a piston (1) guided such that it can move translationally therein, wherein the position of the piston (1) can be determined via a travel measurement device (9) connected to a coupling rod (6), wherein the coupling rod (6) is secured directly to the piston (1), wherein the piston (1) has a guide element (3) extending from the piston head (4) in the direction of the travel measurement device (9), and the coupling rod (6) is secured to the guide element (3). According to the invention, in order to reduce the sensitivity of the adjustment device to a tipping, the guide element (3) is guided in a guide opening (14) of the cylinder housing (2), and a sliding guide (7) is provided for the coupling rod (6), which can be arranged on an end of a borehole (15) in the roll rack facing the travel measurement device (9).

Abstract (de)
Die Erfindung betrifft eine Anstellvorrichtung zum Anstellen einer Walze in einem Walzständer (13) eines Walzgerüsts, die Anstellvorrichtung umfassend ein an einem Walzständer (13) befestigbares Zylindergehäuse (2) und einen darin translatorisch verschiebbar geführten Kolben (1), wobei über eine mit einer Koppelstange (6) verbundene Wegmesseinrichtung (9) die Position des Kolbens (1) bestimmbar ist. Um eine gegenüber Ermüdungserscheinungen unempfindliche Anbindung der Wegmesseinrichtung (9) zu erlauben, ist erfindungsgemäß vorgesehen, dass die Koppelstange (6) direkt am Kolben (1) befestigt ist.

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Citation (search report)

- [XYI] EP 0163247 A2 19851204 - MANNESMANN AG [DE]
- [Y] DE 19533584 A1 19970306 - MANNESMANN AG [DE]
- [Y] DE 102008004540 A1 20090716 - SMS DEMAG AG [DE]
- [X] US 5029400 A 19910709 - LECLERCQ YVES [FR], et al
- [X] JP 2005169482 A 20050630 - KAWASAKI HEAVY IND LTD
- [X] GB 1275424 A 19720524 - TEXTRON INC [US]

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EP 15188048 A 20151002; CN 201680057086 A 20160923; EP 16775605 A 20160923; EP 2016072717 W 20160923; JP 2018516745 A 20160923; US 201615764690 A 20160923