

Title (en)

Device for the gripper conversion of the gripper cylinder of the turning device of a rotary perfecting printing press for sheets.

Title (de)

Vorrichtung zur Umstellung der Greifersteuerung an einem Greiferzylinder einer Wendeeinrichtung in einer Bogenrotationsdruckmaschine für den Schön- und Widerdruck.

Title (fr)

Dispositif de commutation de la commande des pinces d'un cylindre à pinces d'un dispositif de retournement dans une machine rotative d'impression recto-verso de feuilles.

Publication

EP 0532934 A1 19930324 (DE)

Application

EP 92114282 A 19920821

Priority

DE 4131273 A 19910920

Abstract (en)

[origin: US5213035A] A device for changing-over a gripper control on a gripper cylinder of a turning device in a sheet-fed rotary printing machine for first-form and perfector printing, including an adjusting gear and a fixed gear disposed coaxially with one another, the adjusting gear being adjustably movable so as to vary the angular position thereof relative to that of the fixed gear, and a clamping device for clamping the adjusting gear and the fixed gear frictionally together, comprising a control shaft axially displaceable in the gripper cylinder, the control shaft being rotatable and being coupled, via a first intermediate converting device, with the adjusting gear so that an adjustable movement of the adjusting gear is converted thereby into a rotary movement of the control shaft, a spring device for applying a reaction force to the control shaft in a clamping direction of the adjusting gear, an adjusting bridge carried by the gripper cylinder so as to be displaceable in axial direction thereof, an angle lever disposed in the gripper cylinder so as to be swivelable therein about an axis transverse to the axis of the control shaft for transmitting radial forces to the adjusting bridge, the angle lever having an arm formed with a borehole, the control shaft extending through the borehole and being formed with an abutment shoulder, the shoulder, in a condition wherein the control shaft is loaded with a clamping force, being engageable with an opposing surface on the angle lever for acting thereon, and a second intermediate converting device for converting a rotary movement of the control shaft into an axial displacement of the adjusting bridge, the second intermediate converting device including an intermediate member, the control shaft having an end thereof directed towards a middle region of the printing machine and engaging in the intermediate member in a manner that the control shaft is fixed against rotation relative to the intermediate member yet axially displaceable relative thereto.

Abstract (de)

Beschrieben wird eine Vorrichtung zur Umstellung der Greifersteuerung an einem Greiferzylinder (1) einer Wendeeinrichtung in einer Bogenrotationsdruckmaschine für den Schön- und Widerdruck, bei der die Winkellage eines Verstellzahnkranzes (7) gegenüber einem gleichachsig angeordneten Festzahnrad (4) einstellbar ist. Herausragend ist das Merkmal, daß der Greiferzylinder (1) und sein Lagerzapfen (2) auf der Antriebsseite nur eine zentrale, in Achsrichtung verlaufende Bohrung relativ kleinen Querschnitts zur Aufnahme einer sowohl für die Klemmung als Druckstange als auch für die Umstellung wirksame Schaltwelle (10) aufweist. <IMAGE>

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