

Title (en)
Device for attaching printing plates to cylinders.

Title (de)
Plattenschränkvorrichtung.

Title (fr)
Dispositif à fixer les clichés.

Publication
EP 0308799 A2 19890329 (DE)

Application
EP 88115052 A 19880915

Priority
DE 3731642 A 19870919

Abstract (en)
[origin: JPH01108046A] PURPOSE: To enable the adjustment of the skew of a printing plate so that a printing plate turning point may be unmovably fixed near a register by specifying the disposition of a lever disposed for a coupling plate movement and extended line thereof, and further, providing the extended line with a common cross point to form a turning point for the printing plate. CONSTITUTION: To ensure that the skew of a printing plate 42 clamped on a plate cylinder 1 may be adjusted without a fold thereof, it is required that the relation X represented by the formula below be maintained between the connection lines e, f, g, h and extended lines a, b, c, d: $X = (a+e)/e = (b+f)/f = (c+g)/g = ((d+h)/h)$. An eccentric ring 19 is rotated so that the skew of the printing plate 42 may be adjusted on the plate cylinder 1. Rotation degrees thereof can be instantly read by indicators 21 and 22. A cross lever 11 is rotated by the eccentric ring 19 centering on a pin 16 and coupled directly to coupling plates 27 and 28 via lever arms 22 and 23. Thus, the coupling plates 27 and 28 are moved in parallel each other and the printing plate 42 on the plate cylinder 1 is rotated centering on the point A.

Abstract (de)
Bei einer Vorrichtung zum Schränken einer Druckplatte auf einem Plattenzylinder einer Rotationsdruckmaschine, ist die in Klemm- und Spannelementen befestigte Druckplatte mittels zweier Koppelplatten auf dem Plattenzylinderkörper verschränkbar. Zum Bewegen der Koppelplatten sind eine Anzahl von Hebeln vorgesehen, die in einem bestimmten Verhältnis zueinander angeordnet sind. Die Hebel bzw. deren Verlängerungen schneiden sich in einem gemeinsamen, den Druckplattenschwenkpunkt bildenden Schnittpunkt. Zur Verstellung der Hebel sind wahlweise Exzenter-, Schraub-, Hydraulik- oder Pneumatikvorrichtungen vorgesehen.

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IPC 8 full level
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CPC (source: EP US)
B41F 27/005 (2013.01 - EP US); **B41F 27/1231** (2013.01 - EP US); **B41P 2227/43** (2013.01 - EP US); **Y10S 101/36** (2013.01 - EP US)

Cited by
DE102019101172A1; DE4315311A1; DE102019120961A1; EP0507635A1; US5870955A; US5727749A; EP0418088A3; WO9528261A1; EP3771563A1; DE102020106729A1; WO2021180402A1

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