

Title (en)

Driving device for the inking and damping system of a rotary printing press.

Title (de)

Antriebsvorrichtung für das Farb- und Feuchtwerk einer Rotationsdruckmaschine.

Title (fr)

Dispositif d'entraînement du système d'encrage et de mouillage d'une machine d'impression rotative.

Publication

**EP 0085748 A1 19830817 (DE)**

Application

**EP 82109496 A 19821014**

Priority

DE 3203803 A 19820204

Abstract (en)

[origin: US4429630A] To provide a compact drive arrangement for a plurality of axially oscillating or reciprocating milling rollers (11, 12, 13) used in inkers and/or dampers of rotary printing machines, a central gear (16) is provided, driven from the plate cylinder (5) of the printing system, and wide enough to permit axial excursion of meshing gears (11', 12', 13') coupled to the respective milling rollers, and engaged with the central gear. To provide for axial excursion, the shaft (20) on which the central gear is located is connected with a right-angle drive to a transverse shaft (20) which is coupled to eccenters (35, 36, 37) which, in turn, are coupled by connecting rods (41, 42, 43) to a slider coupling (25, 26, 27; 28, 29, 30; 46, 47, 48) with the connecting rods, to thereby change rotary movement of the transverse shaft, driven in synchronism with the plate cylinder to longitudinal movement, while permitting adjustment of the phasing of the respective longitudinal drives by placing the relative position of the eccenters on the transverse shaft such that no oscillating or reciprocating roller will reach terminal dead center (TDC) position simultaneously with another milling roller, for example, for three rollers, by offsetting the eccenters 120 DEG with respect to each other.

Abstract (de)

Von einer am Plattenzylinder (5) einer Rotationsdruckmaschine vorhandenen Verzahnung (18) wird über ein Zahnrad (19) ein Zentralzahnrad (16) angetrieben. Mit dem Zentralzahnrad (16) kämmen Antriebszahnräder (11', 12', 13') der anzutreibenden Reibwalzen (11, 12, 13). Die Zahnräder (16, 19) sitzen auf einer Welle (20), die über einen Kegeltrieb (31) eine quer zu dieser angeordnete weitere Welle (32) antreibt. Auf der Welle (32) sitzen auf Exzentern (35, 36, 37) Schwinghebel (41, 42, 43), von denen eine in Axialrichtung der Reibwalzen (11, 12, 13) hin- und hergehende Bewegung abgenommen und über Gleitsteine (28, 29, 30) an Achsstummeln (22, 23, 24) der Reibwalzen (11, 12, 13) übertragen wird.

IPC 1-7

**B41F 31/14**

IPC 8 full level

**B41F 31/15** (2006.01)

CPC (source: EP US)

**B41F 31/15** (2013.01 - EP US)

Citation (search report)

- [Y] US 1977444 A 19341016 - FREDERICK LAMATSCH, et al
- [Y] US 1861073 A 19320531 - WISE WOOD HENRY A
- [A] US 2506778 A 19500509 - CRAFTS CURTIS S, et al
- [A] GB 1331849 A 19730926 - POLYGRAPH LEIPZIG

Cited by

CN102019750A; EP0340428A3; EP0615843A1

Designated contracting state (EPC)

CH FR LI SE

DOCDB simple family (publication)

**DE 3203803 C1 19830407**; EP 0085748 A1 19830817; EP 0085748 B1 19850911; US 4429630 A 19840207

DOCDB simple family (application)

**DE 3203803 A 19820204**; EP 82109496 A 19821014; US 46030983 A 19830124