

Title (en)
Cylinder for a rotary printing machine.

Title (de)
Zylinder für eine Rotationsdruckmaschine.

Title (fr)
Cylindre pour une machine rotative d'impression.

Publication
EP 0132532 A1 19850213 (DE)

Application
EP 84105957 A 19840525

Priority
DE 3326215 A 19830721

Abstract (en)
[origin: US4510868A] To support a cover wrapped about the printing cylinder and prevent oscillations and resonance phenomena from arising when an attachment groove (2, 23) passes along an adjacent cylinder, a filler strip (8) is located within the groove to close off the groove. The filler strip has circumferentially extending fingers (14) which are supported on circumferentially extending fingers (15) projecting circumferentially from within the groove. The filler strip is axially shiftable along the fingers so that the gap between the support fingers (15) can be used to drop the comb fingers (14) on the filler strip radially inwardly, thus retracting the filler strip. The filler strip is preferably retracted by a retracting mechanism such as a slotted guide tube (11) engaging a lifting strip (10) projecting circumferentially from the filler strip. Axial shifting of the filler strip to place the comb fingers of the filler strip above the support fingers (15) projecting from the groove, after raising of the filler strip, to be flush with the circumference of the cylinder is effected by an eccentric positioning drive located, for example, at an end face of the cylinder. The arrangement permits use of rubber blankets which have end portions fitting in a tiny gap between the filler strip and the groove, with the rubber blankets having ends fitting precisely against each other, thus providing an essentially continuous surface to an engaging cylinder.

Abstract (de)
In einer Grube (2;23) eines Gummi- (1) oder Formzylindersist (21) ein radial bewegliches Füllstück (8) angeordnet, das voneinander beabstandete, kammartige Finger (14) aufweist. In der Zylindergrube (2;23) sind korrespondierende, fest positionierte Finger (15) angeordnet. In einer ersten axialen Position kann das Füllstück (8) abgesenkt werden, so daß eine aufzuspannende Druckform (22) oder ein Gummituch (3) mit seinen Enden (5;24,25) in der Grube fixiert werden kann. Anschließend wird durch eine Hebehilfe (11) das Füllstück (8) radial nach außen gefahren, bis die Grube geschlossen, d.h. abgedeckt ist. Durch eine Axialverschiebung des Füllstückes (8) wird erreicht, daß die Finger (14) des Füllstückes oberhalb der in der Grube angeordneten Finger (15) zu liegen kommen, so daß sie sich auf diesen abstützen.

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IPC 8 full level
B41F 27/12 (2006.01); **B41F 27/14** (2006.01); **B41F 30/00** (2006.01); **B41F 30/04** (2006.01)

CPC (source: EP US)
B41F 27/125 (2013.01 - EP US); **B41F 27/1293** (2013.01 - EP US); **B41F 30/04** (2013.01 - EP US)

Citation (search report)
• [A] EP 0060939 A1 19820929 - ROLAND MAN DRUCKMASCH [DE]
• [A] FR 2496557 A1 19820625 - ROLAND MAN DRUCKMASCH [DE]
• [A] CH 321129 A 19570430 - R W CRABTREE & SONS LIMITED [GB]
• [A] GB 2094716 A 19820922 - POLYGRAPH LEIPZIG

Cited by
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