

Title (en)

Printing cylinder/roller cleaning apparatus for printing press.

Title (de)

Vorrichtung für Druckerpressen zur Reinigung von Druckzylindern/Walzen.

Title (fr)

Dispositif pour presses d'imprimerie pour le nettoyage de rouleaux/cylindres imprimeurs.

Publication

EP 0553947 A1 19930804 (EN)

Application

EP 93250032 A 19930126

Priority

JP 3405292 A 19920127

Abstract (en)

A printing cylinder/roller cleaning apparatus for a printing press includes a cleaning cloth (6), a take-up roll (14), a supply roll (8), a ratchet wheel (10), a lock lever (30), a swing lever (18), a one-way clutch (15), and an air cylinder (25). The cleaning cloth is pressed against a circumferential surface of a rotating printing cylinder/roller (2). The take-up shaft takes up the cleaning cloth. The supply roll supplies the cleaning cloth. The ratchet wheel is coaxially mounted on the supply roll. The lock lever engages with the ratchet wheel when the cleaning cloth is not taken up. The swing lever is coaxially mounted on the take-up roll and rotated to actuate the lock lever, thereby releasing engagement between the ratchet wheel and the lock lever. The one-way clutch connects the take-up roll with the swing lever only in a direction to take up the cleaning cloth. The air cylinder pivots the swing lever in response to the cleaning operation of the printing cylinder/roller. <IMAGE>

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IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [Y] EP 0372253 A2 19900613 - BALDWIN GEGENHEIMER GMBH [DE]
- [Y] DE 2538105 A1 19760401 - MOESTUE HANS JACOB DIPL ING
- [A] DE 8307296 U1 19870409
- [A] DE 4027505 A1 19910307 - MURAKAMI YOSHICHIKA [JP]
- [A] EP 0334173 A1 19890927 - ROLAND MAN DRUCKMASCH [DE]
- [A] EP 0445600 A2 19910911 - KOMORI PRINTING MACH [JP]
- [A] GB 169826 A 19211007 - RANDOLPH SOLOMON, et al
- [AD] PATENT ABSTRACTS OF JAPAN vol. 014, no. 157 (M-955)27 March 1990 & JP-A-02 020 349 (NIPPON BALDWIN KK) 23 January 1990
- [A] PATENT ABSTRACTS OF JAPAN vol. 015, no. 443 (M-1178)12 November 1991 & JP-A-03 189 156 (NIPPON BALDWIN KK) 19 August 1991

Cited by

DE102006050490B3; EP1619027A1; EP0755788A1; CN106609847A; CN110846831A; WO2024113875A1

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