Title (en)

Method to remove chromium plating and engraving from gravure rollers and machine suited to carry out such a method

Title (de)

Verfahren und Maschine zum Entfernen von Gravuren und Chromschichten von Tiefdruckzylindern

Title (fr)

Procédé pour enlever la couche de chrome et les gravures d'un cylindre de gravure et machine pour l'application de ce procédé

Publication

**EP 0808723 A1 19971126 (EN)**

Application

**EP 97108377 A 19970523**

Priority

- IT VI960084 A 19960523
- IT VI970036 A 19970228

Abstract (en)

The invention concerns a method for removing the chromium plating and the engraving from gravure rollers (2), formed by a metallic shell (21) galvanically covered with a copper coat (22) on which an engraving can be impressed and a chromium protective covering (23) is galvanically settled, including the following operations: make said cylinder (2) turn around its longitudinal axis (3); remove said chromium covering (23) by contrasting bodies (41) belonging to at least one first rotating disk (4); smooth said copper coat (22) down below said chromium covering (23), by at least a second rotating disk provided with abrasive elements. Said removing of said chromium covering (23) is determined by the breaking of the chromium covering (23) itself which is obtained through the elastic collapsing of the down below copper coat (22) when said contrasting bodies (41) interfere against said chromium coat (23). <IMAGE> <IMAGE> <IMAGE>

IPC 1-7

**B41N 3/00**; B24B 5/04

IPC 8 full level

**B24B 5/04** (2006.01); **B24B 5/37** (2006.01); **B24B 27/00** (2006.01); **B41N 3/00** (2006.01)

CPC (source: EP)

**B24B 5/045** (2013.01); **B24B 5/37** (2013.01); **B24B 27/0076** (2013.01); **B41N 3/003** (2013.01)

Citation (search report)

- [XY] CH 156773 A 19320831 - ALBERT SCHNELLPRESSEN [DE]
- [X] CH 160773 A 19330331 - ENGLER & CIE [CH]
- [Y] BE 728907 A 19690825
- [A] DE 530991 C 19310803 - MASCHF AUGSBURG NUERNBERG AG

Cited by

EP0927645A1; EP0927646A1; CN114227404A

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB IT LI NL SE

DOCDB simple family (publication)

**EP 0808723 A1 19971126**; **EP 0808723 B1 20000119**; AT E188918 T1 20000215; DE 69701167 D1 20000224; DE 69701167 T2 20000928

DOCDB simple family (application)

**EP 97108377 A 19970523**; AT 97108377 T 19970523; DE 69701167 T 19970523