

Title (en)  
Plate cylinder.

Title (de)  
Plattenzylinder.

Title (fr)  
Cylindre porte-plaque.

Publication  
**EP 0425982 B1 19940831 (DE)**

Application  
**EP 90120305 A 19901023**

Priority  
DE 3936448 A 19891102

Abstract (en)  
[origin: JPH0485039A] PURPOSE: To reduce a friction between a plate cylinder and a printing plate by disposing at least two films having different slip frictional coefficients between the cylinder and the plate. CONSTITUTION: A surface 2 of the plate cylinder 1 has a specified roughness. A printing plate 3 is pressed on the intrinsic cylinder 1, and its lower side has a specific surface 4. A lower surface 7 of a lower film 5 has larger roughness than that of an upper surface 8, and an upper surface of the film 6 has correspondingly a larger roughness than the lower surface 10. In other words, sides 8, 10 in contact with the opposed films 5, 6 are satisfactorily smooth, while the opposite sides 7, 9 have recognizably large roughness. The surfaces 2, 4 also have considerable roughness. In an operation, layers are brought into contact with each other. The plate 3 having the upper film 6 can be relatively easily moved to the cylinder 1 having the lower film 5 in close contact.

IPC 1-7  
**B41N 6/00**

IPC 8 full level  
**B41F 30/00** (2006.01); **B41F 13/10** (2006.01); **B41F 13/16** (2006.01); **B41F 27/00** (2006.01); **B41F 27/12** (2006.01); **B41F 27/14** (2006.01); **B41N 6/00** (2006.01)

CPC (source: EP US)  
**B41N 6/00** (2013.01 - EP US); **Y10S 101/36** (2013.01 - EP US)

Cited by  
EP1136282A3; EP0622248A1; US6551696B2

Designated contracting state (EPC)  
AT CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)  
**EP 0425982 A2 19910508**; **EP 0425982 A3 19920318**; **EP 0425982 B1 19940831**; AT E110642 T1 19940915; DE 3936448 C1 19910418; DE 59006969 D1 19941006; ES 2059952 T3 19941116; JP H0485039 A 19920318; JP H0790636 B2 19951004; US 5154120 A 19921013

DOCDB simple family (application)  
**EP 90120305 A 19901023**; AT 90120305 T 19901023; DE 3936448 A 19891102; DE 59006969 T 19901023; ES 90120305 T 19901023; JP 29557190 A 19901102; US 60675190 A 19901102