

Title (en)
Coating device in printing machines

Title (de)
Einrichtung zum Beschichten von Bedruckstoffen in Druckmaschinen

Title (fr)
Dispositif de revêtement dans des machines d'impression

Publication
EP 0619186 B1 19970416 (DE)

Application
EP 94103838 A 19940312

Priority
DE 4311834 A 19930408

Abstract (en)
[origin: EP0619186A1] The invention relates to a device for coating printing carriers in printing machines for applying water-based liquids of relatively high viscosity. The object of the invention is to develop a corresponding device for printing machines, which permits in-line processing of liquids of a relatively high viscosity of about 0.1 to 2 Pa s. The object is achieved in that an impression cylinder (2) is assigned to a forme cylinder (3) bearing a letterpress forme, an applicator roller (4) with a screen structure is assigned to the forme cylinder (3) and, at the same time, a chamber doctor (5) is assigned to the applicator roller (4). The chamber doctor (5) consists of a positive doctor (8) and a negative doctor (9) as well as side parts. Liquid of relatively high viscosity is fed via a conveying pump (7) to the chamber doctor (5), an excess pressure is built up inside the chamber doctor (5), the liquid of relatively high viscosity flows away via liquid drains (11) and is fed to a suction pump (6) with a reservoir (12). <IMAGE>

IPC 1-7
B41F 23/08; **B41F 7/06**

IPC 8 full level
B41F 7/06 (2006.01); **B41F 23/08** (2006.01); **B41M 7/00** (2006.01)

CPC (source: EP)
B41F 7/06 (2013.01); **B41F 23/08** (2013.01)

Citation (examination)
Zeitschrift "Flexodruck", 2/93, Seiten 42 bis 43

Cited by
DE10236781B4; DE10236780C1; DE19513888A1; US5674571A; EP1389523A1

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

DOCDB simple family (publication)
EP 0619186 A1 19941012; **EP 0619186 B1 19970416**; AT E151694 T1 19970515; DE 4311834 A1 19941013; DE 4311834 C2 20010201; DE 59402415 D1 19970522; JP 3046078 U 19980220; JP H06316058 A 19941115

DOCDB simple family (application)
EP 94103838 A 19940312; AT 94103838 T 19940312; DE 4311834 A 19930408; DE 59402415 T 19940312; JP 6613394 A 19940404; JP 702497 U 19970808