

Title (en)

Printing machine with at least an interchangeable forme cylinder

Title (de)

Druckmaschine mit mindestens einem auswechselbaren Formzylinder

Title (fr)

Machine d'impression avec au moins un cylindre imprimeur interchangeable

Publication

EP 0788880 B1 20001115 (DE)

Application

EP 97101403 A 19940727

Priority

- DE 4328058 A 19930820
- EP 94111677 A 19940727

Abstract (en)

[origin: EP0639452A1] According to the invention, a printing machine (26) is provided, which has a forme cylinder (28, 29) which is exchangeable, together with its printing forme, for a forme cylinder (28', 29') of identical construction. In this case, the forme cylinders (28, 29; 28', 29') have permanently set interfaces for laterally and circumferentially correct in-register positioning inside the printing machine (26). The interchangeable unit has a gripper (34, 35) for exchanging the used forme cylinder (28, 29) for the other forme cylinder (28', 29'). This is taken from a storage magazine, e.g. drum storage (36) or chain storage. An imaging unit (37) is preferably present inside the storage magazine (36), in which unit the old printing image is firstly deleted and a new printing image is then applied, e.g. according to the ink jet or thermal transfer method. Instead of the forme cylinder (28, 29), other cylinders (30, 31, 32) or rollers can also be exchanged. The forme cylinder (28, 29) can also be covered by an interchangeable sleeve which forms the printing forme. <IMAGE>

IPC 1-7

B41F 13/24; **B41F 7/02**

IPC 8 full level

B41F 9/18 (2006.01); **B41F 7/02** (2006.01); **B41F 13/10** (2006.01); **B41F 13/20** (2006.01); **B41F 13/24** (2006.01)

CPC (source: EP)

B41F 7/02 (2013.01); **B41F 13/10** (2013.01); **B41F 13/20** (2013.01); **B41F 13/24** (2013.01); **B41P 2217/13** (2013.01); **B41P 2227/70** (2013.01)

Designated contracting state (EPC)

CH DE FR GB LI

DOCDB simple family (publication)

EP 0639452 A1 19950222; **EP 0639452 B1 19970903**; CA 2130063 A1 19950221; CA 2130063 C 20010102; DE 4328058 A1 19950223; DE 59403944 D1 19971009; DE 59409588 D1 20001221; DE 9421819 U1 19960912; EP 0788880 A1 19970813; EP 0788880 B1 20001115; JP 2825444 B2 19981118; JP H0776063 A 19950320

DOCDB simple family (application)

EP 94111677 A 19940727; CA 2130063 A 19940812; DE 4328058 A 19930820; DE 59403944 T 19940727; DE 59409588 T 19940727; DE 9421819 U 19940727; EP 97101403 A 19940727; JP 19579094 A 19940819