

Title (en)

DEVICE FOR SUPPLYING PRINTING INK TO THE INKING SYSTEM OF A PRINTER

Title (de)

VORRICHTUNG ZUR ZUFUHR VON DRUCKFARBE IN DAS FARBWERK EINER DRUCKMASCHINE

Title (fr)

DISPOSITIF D'ALIMENTATION DU MECANISME D'ENCRAGE D'IMPRIMANTES EN ENCRE D'IMPRESSION

Publication

**EP 0730527 B1 19970813 (DE)**

Application

**EP 95901332 A 19941123**

Priority

- DE 9401402 W 19941123
- DE 4339939 A 19931124

Abstract (en)

[origin: WO9514574A1] In order to improve handling of printing ink in printers, the ink is supplied to the duct roller (1) of the inking system through a space (10) limited on all sides that acts as an ink reservoir. Known ink dosing elements, for example ink measurement devices (4), are arranged at the outlet of said space (10). The limiting element (5) that determines the size of the space (10) forms with its front edge an adjustable gap (8) with the surface of the duct roller and ink is supplied under pressure to the space (10). Ink supply to the duct roller (1) is thus not only left to the ink own dynamic behaviour and hydrostatic pressure, as well as to the position of the ink measurement devices (4), but may also be influenced by a controllable print feeding pressure. The ink is directly pressed into the space (10), upstream of the ink measurement devices (4), by an appropriate pumping or dispensing system and under the most favourable pressure according to the operation conditions.

IPC 1-7

**B41F 31/04**

IPC 8 full level

**B41F 31/04** (2006.01); **B41F 31/08** (2006.01)

CPC (source: EP)

**B41F 31/04** (2013.01); **B41F 31/08** (2013.01)

Designated contracting state (EPC)

CH DE FR GB LI

DOCDB simple family (publication)

**DE 4339939 A1 19950608**; **DE 4339939 C2 19951012**; DE 59403752 D1 19970918; EP 0730527 A1 19960911; EP 0730527 B1 19970813; WO 9514574 A1 19950601

DOCDB simple family (application)

**DE 4339939 A 19931124**; DE 59403752 T 19941123; DE 9401402 W 19941123; EP 95901332 A 19941123