

Title (en)
INK DUCT FOR PRINTING MACHINES

Publication
EP 0094584 B1 19851227 (DE)

Application
EP 83104536 A 19830509

Priority
DE 3218045 A 19820513

Abstract (en)
[origin: US4502386A] An ink fountain for a printing press has a temperature-responsive element for compensating the adjustment of the spacing between the blade and the fountain roller to keep the thickness of the ink film fed by the blade substantially constant even under extreme temperature variations. The sub-frame of the ink fountain is pivotally mounted to the main frame of the printing press about a pivot axis generally parallel to the axis of the fountain roller, and the pivot angle is a function of the thermal expansion of the temperature-responsive element. In one preferred embodiment, the temperature-responsive element is elongated, received in a guide fixed to the sub-frame, and has a free end bearing against the bearing bushing of the fountain roller. In another embodiment, the temperature-responsive element is a side wall of the ink trough or is a plate parallel to the side wall of the ink trough, and rollers are journaled to the temperature-responsive element and bear against the surface of the fountain roller. In either embodiment, the temperature-responsive element is pre-stressed by a pull rod tending to pivot the sub-frame so that the temperature-responsive element bears against the sub-frame and the main frame.

IPC 1-7
B41F 31/04

IPC 8 full level
B41F 31/02 (2006.01); **B41F 31/04** (2006.01)

CPC (source: EP US)
B41F 31/04 (2013.01 - EP US)

Cited by
FR2568180A1; US5485785A; EP0339711A3; EP0254034A3; WO9407695A1

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

DOCDB simple family (publication)
EP 0094584 A1 19831123; EP 0094584 B1 19851227; AT E17099 T1 19860115; DE 3218045 A1 19831117; DE 3361620 D1 19860206; JP H0357863 B2 19910903; JP S5941269 A 19840307; US 4502386 A 19850305

DOCDB simple family (application)
EP 83104536 A 19830509; AT 83104536 T 19830509; DE 3218045 A 19820513; DE 3361620 T 19830509; JP 8282183 A 19830513; US 49417283 A 19830513