Title (en)

INK FOUNTAIN ASSEMBLY AND SEGMENTED FILM METERING BLADE

Publication

EP 0180134 A3 19880420 (EN)

Application

EP 85113431 A 19851023

Priority

US 66596184 A 19841029

Abstract (en)

[origin: EP0180134A2] An ink fountain for printing presses is disclosed in which a plurality of metering segments extend along the surface of the fountain roll to control the thickness of the ink film applied to the roll. The metering segments are individually adjustable toward and away from the fountain roll surface by screw and nut actuators in combination with springs which bias the segments toward the fountain roll. Precise positioning of the segments with respect to the roll is provided because the spring takes up all backlash within the actuator threads and any play in the connection between the actuator and the segments and trough. The actuator is structured to prevent actuator-produced forces on the segment in the direction of the roll so that the maximum force of engagement is provided by the spring. The ink trough and segment assembly is pivoted for movement to a service position in which the segments can be removed and replaced without disassembly of the trough assembly.

IPC 1-7

B41F 31/04

IPC 8 full level

B41F 31/04 (2006.01)

CPC (source: EP)

B41F 31/04 (2013.01); B41P 2231/12 (2013.01)

Citation (search report)

- [X] US 2583640 A 19520129 - FAEBER HARRY W
- [X] DE 2748497 A1 19780503 - PRITTIE ALLAN R
- [Y] US 3730090 A 19730501 - LAMBERG G, et al
- [Y] EP 0097085 A1 19831228 - CREUSOT LOIRE [FR]
- [Y] DE 3109630 A1 19820204 - POLYGRAPH LEIPZIG [DD]

Cited by

EP0407232A3; EP0388757A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0180134 A2 19860507; **EP 0180134 A3 19880420**; **EP 0180134 B1 19911227**; DE 3585020 D1 19920206; JP H0363953 B2 19911003; JP S61108600 A 19860527

DOCDB simple family (application)

EP 85113431 A 19851023; DE 3585020 T 19851023; JP 24256385 A 19851029