

Title (en)

PROCESS AND DEVICE FOR ASSURING A SMOOTH RUNNING OF INK SUPPLY ELEMENTS IN INK FOUNTAINS OF PRINTING MACHINES

Publication

**EP 0048840 B1 19841128 (DE)**

Application

**EP 81106933 A 19810904**

Priority

DE 3033995 A 19800910

Abstract (en)

[origin: US4392431A] A method and apparatus to maintain smooth operation of ink metering elements in an ink fountain of a printing machine is disclosed. A plurality of ink metering elements are placed side by side in a longitudinal gap in the bottom of the ink fountain. Each of the ink metering elements has a longitudinal bore which extends through the element and which is in communication with lubricant grooves on the faces of each element. A suitable lubricant is forced through the bores of all the ink metering elements and out into the lubricant grooves on the faces of the elements. The use of this lubricant maintains the smooth operation of the ink metering elements by reducing friction between the elements and by removing ink and dirt particles from between adjacent elements. Any particles of ink or dirt which may become entrained in the lubricant can be removed by forcing out the spent lubricant and by adding fresh replacement lubricant.

IPC 1-7

**B41F 31/04**

IPC 8 full level

**B41F 31/04** (2006.01)

CPC (source: EP US)

**B41F 31/04** (2013.01 - EP US)

Designated contracting state (EPC)

FR GB IT SE

DOCDB simple family (publication)

**EP 0048840 A1 19820407; EP 0048840 B1 19841128**; DE 3033995 A1 19820422; DE 3033995 C2 19841122; JP H0323342 B2 19910328; JP S5780060 A 19820519; US 4392431 A 19830712

DOCDB simple family (application)

**EP 81106933 A 19810904**; DE 3033995 A 19800910; JP 14179981 A 19810910; US 30084881 A 19810910