

Title (en)

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

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Application

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Priority

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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.

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