

Title (en)  
TAMPON PRINTING MACHINE

Publication  
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Application  
**EP 84111505 A 19840927**

Priority  
DE 3335230 A 19830929

Abstract (en)  
[origin: US4557195A] A pad-type printing machine with a mount for a cliché, with an ink supply device exhibiting a hollow body, whereby during the operation of the machine the end face of the hollow body rests at least occasionally on the cliché, with a device for pressing the end face of the hollow body against the cliché, with a device for producing a relative motion between the cliché and the hollow body, whereby the hollow body is guided such that it can swivel about an axis extending basically parallel to the relative motion, and with a pad which can be pressed onto the inked cliché and which accepts the ink from the recesses in the cliché and transfers it onto an object to be printed is characterized by the fact that at least on some of the circumference of its end face the hollow body comprises hard material and is microfinished with a peak-to-valley height of at most 2  $\mu$  m whereby the device for pressing the hollow body against the cliché is designed such that the contact force acts in the immediate vicinity of the contact surface between the cliché and the hollow body and is at least approximately uniformly distributed over the circumference of the end face, whereby the hollow body is guided such that it can additionally swivel about an axis extending transversely to the relative motion between the cliché and the hollow body. This permits a high working speed with only little outlay on maintenance. (FIG. 1).

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CPC (source: EP US)  
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[A] DE 1923374 A1 19700205 - ROESSLER HEINZ

Cited by  
DE202012007064U1; EP0347762A3; DE102010041522B4; BE1004736A3; DE19908864A1; DE4129946A1; DE19908849A1; EP0537649A1; DE19908847A1; US5832835A; EP0472021A1; CN100378913C; DE4312727C2; EP2366547A1; DE3737937A1; US4905594A; DE3744979C2; EP0568133A1; US5363761A; WO2005081286A1; EP2433797A1; DE102010041522A1; US8490544B2

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