

Title (en)

PROCESS FOR CONTROLLING A CYLINDER-TYPE SILK SCREEN PRINTING MACHINE.

Title (de)

VERFAHREN ZUR STEUERUNG EINER SIEBDRUCKZYLINDERMASCHINE.

Title (fr)

PROCEDE DE COMMANDE D'UNE MACHINE A CYLINDRE POUR LA SERIGRAPHIE.

Publication

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Application

**EP 94904948 A 19940119**

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- DE 4304399 A 19930213

Abstract (en)

[origin: US5706722A] PCT No. PCT/DE94/00043 Sec. 371 Date Feb. 20, 1996 Sec. 102(e) Date Feb. 20, 1996 PCT Filed Jan. 19, 1994 PCT Pub. No. WO94/18008 PCT Pub. Date Aug. 18, 1994A cylinder-type silk screen printing machine includes a printing cylinder that collects an object to receive the print and a screen carriage with printing blades applied against the screen pattern, which travels over the cylinder, wherein the screen pattern and cylinder are moved during the printing process at a synchronized speed. In order to reduce the consumption of printing material and hence the environmental pollution, and at the same time to ensure synchronization of the printing cylinder and screen carriage by simple technical means, the printing cylinder and screen carriage are driven independently of one another; data for adjustment of the printing travel and printing speed are programmed into an electronic control system, stored therein and processed to obtain control signals for the drives, and the relevant movement positions of the printing cylinders and screen carriage are determined during the printing process by travel measurement systems and further processed in the electronic system in order to adjust the control signals.

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