

Title (en)

Inspection method for electron beam engraved printing surfaces.

Title (de)

Verfahren zur Kontrolle von elektronenstrahlgravierten Druckformoberflächen.

Title (fr)

Procédé de contrôle de surfaces d'impression gravées à l'aide d'un faisceau électronique.

Publication

EP 0108375 A2 19840516 (DE)

Application

EP 83110891 A 19831102

Priority

DE 3240653 A 19821104

Abstract (en)

[origin: US4549067A] An electron beam generator designed for engraving surfaces of printing form cylinders is switched to microscope operation during engraving pauses in order to make engraved cups visible immediately and without additional auxiliary equipment. During microscope operation, deflection parameters and an intensity of an electron beam produced by the electron beam generator are changed for appropriate scanning. An image signal is acquired by detecting secondary electrons generated by the beam interacting with the cups in the printing form surface.

Abstract (de)

Die Erfindung besteht darin, daß ein für die Gravur von Druckformzylinderoberflächen ausgebildeter Elektronenstrahlerzeuger in den Gravurpausen auf Mikroskopbetrieb umgeschaltet wird, um sofort und ohne zusätzliche Hilfsmittel die gravierten Näpfchen sichtbar zu machen.

IPC 1-7

B41C 1/04

IPC 8 full level

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CPC (source: EP US)

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EP 0108375 A2 19840516; **EP 0108375 A3 19870401**; **EP 0108375 B1 19900117**; AT E49534 T1 19900215; DE 3240653 A1 19840510; DE 3381109 D1 19900222; JP H067933 U 19940201; JP H088102 Y2 19960306; JP S5998848 A 19840607; SU 1240347 A3 19860623; US 4549067 A 19851022

DOCDB simple family (application)

EP 83110891 A 19831102; AT 83110891 T 19831102; DE 3240653 A 19821104; DE 3381109 T 19831102; JP 20606983 A 19831104; JP 7591992 U 19921102; SU 3663179 A 19831103; US 54851883 A 19831103