

Title (en)

Method for controlling inking of printed products.

Title (de)

Verfahren zur Steuerung der Farbgebung von Druckerzeugnissen.

Title (fr)

Procédé de contrôle de l'encre de produits imprimés.

Publication

EP 0490093 B1 19940831 (DE)

Application

EP 91119212 A 19911112

Priority

DE 4039818 A 19901213

Abstract (en)

[origin: EP0490093A1] The invention relates to a method for controlling inking of printed products which are produced on a printing machine operating by autotypy, in particular a sheet-fed offset printing machine. Also printed on the print sheet is a print control strip, which contains a measuring field of specific halftone value for each ink to be printed in each ink metering zone and, additionally, a full-tone measuring field in at least one ink metering zone. If the inking is to be tuned to a prescribed desired area coverage (FDSoll), the Murray-Davies formula is used to calculate desired halftone ink densities (DRN1Soll, DRM1Soll) from the full-tone ink densities (DVN1, DVM1) measured on the full-tone measuring fields. If more than one full-tone measuring field is present in the print control strip, it is possible, on the one hand, to average over these desired halftone ink densities (DRN1Soll, DRM1Soll) calculated in this way, the mean value then being used as desired halftone ink density for all ink metering zones to be controlled. On the other hand, it is possible if more than one full-tone measuring field is present in the pressure control strip to average over the measured full-tone densities (DV), and then to use the Murray-Davies formula to calculate a new desired halftone ink density value. Thus, in each control operation new desired halftone ink densities are calculated, and the ink metering zones are controlled accordingly.

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