

Title (en)

METHOD, CONTROL DEVICE AND AUXILIARY MEANS FOR OBTAINING UNIFORM PRINTING RESULTS FROM A MULTICOLOUR HALF-TONE OFFSET PRINTING MACHINE

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Application

EP 86101892 A 19860214

Priority

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- DE 3604222 A 19860211

Abstract (en)

[origin: US4852485A] The invention relates to a method, a control apparatus and aids for the achievement of a uniform printing result on an autotypically operating multicolor printing press. In addition to solid densities and/or screen dot sizes, selected relationships between solid densities and/or screen dot sizes of different printing colors are determined at measuring patches simultaneously printed within the color zones. If they fall outside of the tolerances associated with them, a corrective intervention is made in the printing process by actuating the regulators of the inking units. For the control of the inking units, the first aid provided, instead of the conventional single color measuring patches, is combination measuring patches which are formed by the overprinting of single color measuring patches. Since the measurement data obtained at combination measuring patches do not agree with the data obtained at single color measuring patches, they are corrected accordingly prior to being processed to control signals for the regulators in the printing units. A second aid consists of a device for determining the color balance in the printing result.

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Citation (examination)

- Graphic Communications Association, GCA Spectrum News 12/84 S.3.
- Graphic Communication Association GCA Newsletter 4/85 S.4.
- Cromalin Offset Com Guide / System Brunner 1984 Du Pont de Nemours Co. Inc. Wilmington, DE, USA und System Brunner S.A., S.23.

Cited by

DE4415486A1; DE4415486C2; DE19639014A1; DE19639014C2; DE19738992A1; EP0392814A3; EP0676285A1; US5761327A; EP0668164A1; US5730470A; DE4402784C2; DE19738923A1; US6109183A; EP0741030A3; EP0434072A3; EP0394681A3; EP2674299A1; EP0741029A3; US5835626A; EP0490093A1; DE19638967A1; DE19638967C2; DE3830121A1; US6192801B1; DE102017207306A1; US10136032B2; EP0255586B1; EP1345772B1; EP2008818B1; EP1345772A1

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