

Title (en)
Colour management in a sheet-fed rotary offset printing machine

Title (de)
Color-Management im Rollenoffset-Auflagendruck

Title (fr)
Gestion des couleurs dans une machine rotative offset pour feuilles

Publication
EP 0676285 B1 19971112 (DE)

Application
EP 95810055 A 19950130

Priority
DE 4402828 A 19940131

Abstract (en)
[origin: US5761327A] A group of measured fields (as well as a process for using the measured fields) is provided for determining color data of a printed product, especially for color management in the rotary offset printing of single editions, with a plurality of measured fields, which are printed on a printed product to be checked or on a primary print in such a way that they can be optically scanned. The group of measured fields includes a first combination measured field, in which the fundamental colors are superprinted with their nominal degrees of surface coverage (Fc1, Fm1, Fy1). Additional combination measured fields are provided, in which the fundamental colors are superprinted at varied nominal degrees of surface coverage $\{(Fc2=Fc1+ \Delta Fc2, Fm1, Fy1), (Fc1, Fm3=Fm1+ \Delta Fm3, Fy1), (Fc1, Fm1, Fy4=Fy1+ \Delta Fy4)\}$, wherein each fundamental color is varied at least once, and at least one other fundamental color is varied in each additional combination measured field. Additionally at least one single-color full-tone field is provided for each fundamental color. Further, at least one single-color half-tone field is provided for each fundamental color, wherein first single-color half-tone fields have, in their corresponding fundamental color, a degree of surface coverage (Fc1, Fm1, Fy1) that corresponds to that of the same color in the first combination measured field, and/or second single-color half-tone fields have, in their corresponding fundamental color, a degree of surface coverage (Fc2, Fm3, Fy4) that corresponds to the varied degree of surface coverage of the same color in the additional combination measured fields.

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