

Title (en)

Method for the determination of the distances between the color coordinates of two halftone regions printed with a printing machine and method for monitoring or adjusting the color printing of a printing machine.

Title (de)

Verfahren zur Bestimmung der Farbmesszahldifferenzen zwischen zwei mit Hilfe einer Druckmaschine gedruckten Rasterfeldern sowie Verfahren zur Farbsteuerung oder Farbregelung des Druckes einer Druckmaschine.

Title (fr)

Méthode de détermination des écarts de couleur entre deux surfaces tramées imprimées avec une machine d'impression ainsi que méthode de commande ou réglage de l'impression couleurs d'une machine à imprimer.

Publication

EP 0408507 B1 19931110 (DE)

Application

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Priority

CH 264689 A 19890714

Abstract (en)

[origin: JPH0356832A] PURPOSE: To enable easily and finely evaluating and controlling half tone depth of reference print and additional calibration print by using particular matrix conversion equation and converting to colorimetric difference and evaluating. CONSTITUTION: Each of reference print and additional calibration print is scanned with light and a half tone depth differential vector $[\Delta F]$ i having a depth difference component of half tone is determined. Then, a depth conversion matrix element $[W]$ calculated in advance based on the matrix conversion equation I from a half tone colorimetric differential vector $[\Delta F]$ i having a depth difference component determined by a spectrometer colorimetry and stored is referred to convert the vector $[\Delta R]$ i to $[\Delta F]$ i, and the print quality is evaluated. Therefore, the spectrometric colorimetry is not necessary at every evaluation and so evaluation is made simply and finely. The color control and ink control of printer are also performed in similar manner.

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Cited by

US5730470A; EP0598490A1; NL9400361A; EP2325010A3; EP0658428A1; DE4311132A1; FR2691103A1; EP0632645A1; US5553161A; EP0481375A3; US5343310A; EP0668164A1; DE4402784A1; DE4402784C2; DE4402828A1; EP0676285A1; US5761327A; DE4402828C2; US8537420B2

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