

Title (en)

Color mixing and control system for use in an electrostatographic printing machine

Title (de)

System zur Farbenmischung und Steuerung für ein elektrostatisches Druckgerät

Title (fr)

Système de mélange de couleurs et de commande pour un appareil à imprimer électrostatographique

Publication

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Application

EP 97307325 A 19970919

Priority

US 72141996 A 19960926

Abstract (en)

A system and method for color mixing control in a developing material-based electrostatographic printing system. A developing reservoir containing an operative solution of customer selectable colored developing material is continuously replenished with selectively variable amounts of basic color components making up the operative solution by controlling the rate of replenishment of various color components added to the supply reservoir. A spectrophotometer is used to measure the optical spectrum of the developing material in the supply reservoir so that the actual optical spectrum thereof can be brought into agreement with a target optical spectrum associated with a customer selectable color. The present invention can be used to control and maintain the color of the developing material in the reservoir through continuous monitoring and correction in order to maintain a particular ratio of color components in the reservoir over extended periods associated with very long print runs. The present invention may also be utilized to mix a customer selectable color in situ, whereby approximate amounts of primary color components are initially deposited and mixed in the developing material reservoir and the resultant developing material mixture is continually monitored and adjusted until the mixture reaches a target optical spectrum. <IMAGE>

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CPC (source: EP)

G03G 15/0121 (2013.01); **G03G 15/104** (2013.01); **G03G 15/105** (2013.01)

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