

## 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

**EP 0833220 A1 19980401 (EN)**

## Application

**EP 97307326 A 19970919**

## Priority

US 72142196 A 19960926

## Abstract (en)

A system and method for color mixing and 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 developing material of basic color components making up the operative solution by controlling the rate of replenishment of the various color components added to the supply reservoir. A filter series is used to measure the optical properties of the developing material in the supply reservoir so that the actual optical properties thereof can be brought into agreement with set of predetermined target optical properties. 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 basic color component developing material 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 target optical properties. <IMAGE>

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## Citation (search report)

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- [PA] PATENT ABSTRACTS OF JAPAN vol. 097, no. 001 31 January 1997 (1997-01-31)
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