

[54] DEVELOPER MIX MONITORING FOR REPLACEABLE DEVELOPER STATIONS

[75] Inventors: Kenneth A. Arnold; Wunan Chang, both of Rochester; Kelly S. Robinson, Fairport, all of N.Y.

[73] Assignee: Eastman Kodak Company, Rochester, N.Y.

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[58] Field of Search ..... 118/688, 689, 690, 691, 118/693; 355/14 D, 208, 245, 246, 260

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Primary Examiner—Fred L. Braun

Assistant Examiner—Robert Beatty

Attorney, Agent, or Firm—Milton S. Sales

[57] ABSTRACT

A toner monitor in an electrostatographic machine is automatically calibrated when a new replaceable development station is loaded into the machine. The detected toner concentration in the development station is used by the monitor as a reference signal against which future readings are compared. The reference signal is reset upon machine power-up to correspond to the detected toner concentration in the development station, but only when there is a fresh development station in the machine. Resetting the reference signal only when there is a fresh development station prevents erroneous reference signals which would result if the developer mix concentration was other than perfect at power-down.

13 Claims, 5 Drawing Sheets

