

[54] REPLACEABLE DEVELOPER STATION HAVING INDICATOR FOR DETERMINING WHETHER DEVELOPER STATION IS USED OR NEW

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[*] Notice: The portion of the term of this patent subsequent to Sep. 11, 2007 has been disclaimed.

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[57] ABSTRACT

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A replaceable development station is provided for use with an electrostatographic machine in which a toner monitor is automatically calibrated when a fresh 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 correspond to the detected toner concentration in the development station, but only when there is a fresh development station in the machine. The development station provides for indicating when the reference signal has previously been set for the developer mix. The reference value would not be reset upon other than the first time the machine is powered up with a particular development station. The indicating means is preferably a frangible member such as an electrical fuse.

[51] Int. Cl.⁵ G03G 21/00

[52] U.S. Cl. 355/208; 118/689; 355/245; 355/246

[58] Field of Search 118/688, 689, 690, 691, 118/693; 355/14 D, 208, 245, 246, 260, 209, 308

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8 Claims, 5 Drawing Sheets

