

Title (en)

Automatic setup of electrophotographic printing machines.

Title (de)

Automatische Einstellung von elektrophotographischen Kopiergeräten.

Title (fr)

Ajustage automatique des machines à copier électrophotographiques.

Publication

EP 0195655 A2 19860924 (EN)

Application

EP 86301991 A 19860318

Priority

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Abstract (en)

An automated process and apparatus for establishing the basic xerographic operating parameters for an electrophotographic printing machine. The document scanning means (42, 43, 44, 45) is used in a setup mode to generate test patches (100, 102, 104, 106) of varying density on the machine photoreceptor (10). The levels are measured and compared to pre-set values stored in a digital controller memory until convergence is obtained along three separate points on the photo-induced discharge curve (PIDC) (see Figure 2). The controller (31) adjusts the system parameters of charge circuit, developer bias and system exposure in an iterative process and corresponding to the PIDC for the particular machine.

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CPC (source: EP)

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Cited by

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