

Title (en)

Xerographic process control using photoreceptor operating characteristics and usage data to automatically adjust charging grid voltage.

Title (de)

Steuerung eines xerographischen Prozesses mit regelbarer Aufladungsgitterspannung in Abhängigkeit von den Betriebsverhaltens- und Gebrauchsdaten eines Photorezeptors.

Title (fr)

Commande d'un procédé xéographique utilisant les caractéristiques defonctionnement et les données d'utilisation d'un photorécepteur pour contrôler le potentiel de la grille de chargement.

Publication

EP 0666515 A2 19950809 (EN)

Application

EP 95300711 A 19950203

Priority

US 19197694 A 19940204

Abstract (en)

An image processing apparatus having a corona device (14) with charging grid (16) for charging a photoreceptor (12) to voltage levels, a memory for storing photoreceptor cycle down and rest recovery characteristics, counters for maintaining counts of current job photoreceptor cycles and cumulative photoreceptor cycles, a clock for determining the time period between the completion of a previous job and the initiation of a current job, and a corona control (28) for adjusting the corona device charging grid in response to the cycle counts, the time period between the completion of a previous job and the initiation of a current job, and the photoreceptor cycle down and rest recovery characteristics whereby the photoreceptor voltage levels are adjusted (30) during a job run to compensate for changing photoreceptor characteristics. <IMAGE>

IPC 1-7

G03G 15/02; **G03G 15/00**

IPC 8 full level

G03G 15/00 (2006.01); **G03G 15/02** (2006.01)

CPC (source: EP)

G03G 15/0266 (2013.01); **G03G 15/0291** (2013.01); **G03G 15/5033** (2013.01)

Cited by

US5740504A

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0666515 A2 19950809; JP H07261515 A 19951013

DOCDB simple family (application)

EP 95300711 A 19950203; JP 1456195 A 19950131