

(19)



Europäisches Patentamt
European Patent Office
Office européen des brevets

(11) Publication number:

0 146 825
A3

(12)

EUROPEAN PATENT APPLICATION

(21) Application number: **84114583.2**(51) Int. Cl.⁴: **G 03 G 15/09**(22) Date of filing: **30.11.84**(30) Priority: **30.11.83 US 556529**(71) Applicant: **BURROUGHS CORPORATION (a Michigan corporation), Burroughs Place, Detroit, Michigan 48232 (US)**(43) Date of publication of application: **03.07.85**
Bulletin 85/27

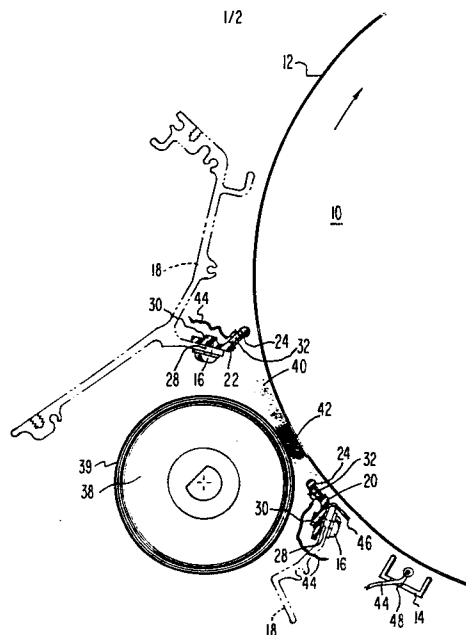
(72) Inventor: **Kasu, Abdullatif M., 8008 Cote Ct., Orlando, FL-32819 (US)**
 Inventor: **Robson Thomas, 1120 Hall Lane, Orlando, FL-32809 (US)**
 Inventor: **Fedder, Richard C., 106 Easern Fork, Longwood, FL-32750 (US)**
 Inventor: **Thompson, Aubrey E., 5647 Tomoka Dr., Orlando, FL-32809 (US)**

(84) Designated Contracting States: **BE DE FR GB IT NL SE**(88) Date of deferred publication of search report: **30.12.86 Bulletin 86/52**

(74) Representative: **EGLI-EUROPEAN PATENT ATTORNEYS, Widenmayerstrasse 5, D-8000 München 22 (DE)**

(54) **Electrostatic dust repeller for electrophotographic apparatus.**

(57) Automatic toner dust repelling apparatus for electrophotographic printers including oppositely disposed electrically charged members (20, 22) arranged on opposite sides of the magnetic brush generating roll (38) with the respective electrical charges on the toner material (40) and the electrically charged member being the same electrical polarity effective to repel toner dust from the adjacent edges of the magnetic brush roller (38) and to concentrate the toner at the magnetic brush area thereby eliminating the toner dust problem.



EP 0 146 825 A3



DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 4)
X	PATENTS ABSTRACTS OF JAPAN, Vol.6, no.255 (P-162)[1133], December 14, 1982; & JP-A-57 150 864 (KONISHIROKU SHASHIN KOGYO K.K.) 17.09.1982 * Abstract *	1,2	G 03 G 15/09
X	--- PATENTS ABSTRACTS OF JAPAN, vol.7, no.130 (P-202)[1275], June 7, 1983; & JP-A-58 46 365 (RICOH K.K.) 17.03.1983 * Abstract *	1	
Y	--- GB-A-2 103 114 (XEROX CORP.) * Claim 1; figure 2 *	1	
Y	--- DE-A-2 937 694 (MINOLTA CAMERA) * Page 37; figure 8 *	1	TECHNICAL FIELDS SEARCHED (Int. Cl. 4)
P,X	--- EP-A-0 098 178 (XEROX CORP.) * Figures 3a,4 * -----	1	G 03 G 15/08 G 03 G 15/09
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 10-09-1986	Examiner HILTNER
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			