



Europäisches Patentamt
European Patent Office
Office européen des brevets



(11) **EP 1 496 404 A8**

(12) **CORRECTED EUROPEAN PATENT APPLICATION**

Note: Bibliography reflects the latest situation

(15) Correction information:
Corrected version no 1 (W1 A1)
INID code(s) 71,72

(51) Int Cl.7: **G03G 15/00**, G03G 15/16,
G03G 15/01

(48) Corrigendum issued on:
23.03.2005 Bulletin 2005/12

(43) Date of publication:
12.01.2005 Bulletin 2005/02

(21) Application number: **04015950.1**

(22) Date of filing: **07.07.2004**

(84) Designated Contracting States:
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR
HU IE IT LI LU MC NL PL PT RO SE SI SK TR
Designated Extension States:
AL HR LT LV MK

(30) Priority: **07.07.2003 JP 2003192821**
05.12.2003 JP 2003408291
08.04.2004 JP 2004114714

(71) Applicant: **Ricoh Company, Ltd.**
Tokyo 143-8555 (JP)

(72) Inventors:
• **Fukuchi, Yutaka c/o Ricoh Company, Ltd.**
Ohta-ku, Tokyo 143-8555 (JP)
• **Kuma, Kazuosa c/o Ricoh Company, Ltd.**
Ohta-ku, Tokyo 143-8555 (JP)

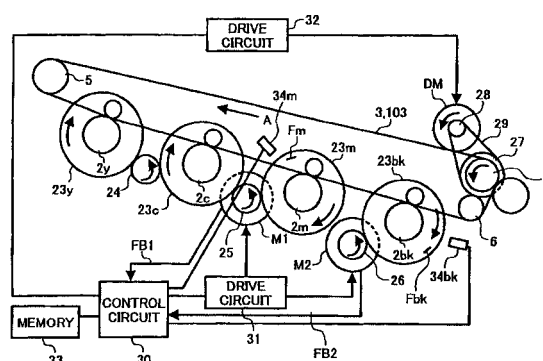
- **Kikura, Makoto c/o Ricoh Company, Ltd.**
Ohta-ku, Tokyo 143-8555 (JP)
- **Noguchi, Yuusukke c/o Ricoh Company, Ltd.**
Ohta-ku, Tokyo 143-8555 (JP)
- **Ishii, Hiroshi c/o Ricoh Company, Ltd.**
Ohta-ku, Tokyo 143-8555 (JP)
- **Suzuki, Kazuki c/o Ricoh Company, Ltd.**
Ohta-ku, Tokyo 143-8555 (JP)
- **Suzuki, Kazuki c/o Ricoh Company, Ltd.**
Ohta-ku, Tokyo 143-8555 (JP)
- **Uchida, Toshiyuki c/o Ricoh Company, Ltd.**
Ohta-ku, Tokyo 143-8555 (JP)
- **Funamoto, Noriaki c/o Ricoh Company, Ltd.**
Ohta-ku, Tokyo 143-8555 (JP)

(74) Representative: **Schwabe - Sandmair - Marx**
Patentanwälte
P.O. Box 860245
81629 München (DE)

(54) **An image forming apparatus with a drive motor control**

(57) An image forming apparatus (1) includes at least one image bearing member (2) configured to bear a toner image on a surface thereof, a transferring member (3,103) arranged close to or in contact with the at least one image bearing member (2) and configured to rotate in substantially synchronism with the at least one image bearing member (2) to transfer the toner image born on the at least one image bearing member (2) onto a recording medium (F), at least one first motor (M1,M2) rotating the at least one image bearing member (2), a second motor (DM) rotating the transferring member (3,103), and a control mechanism (30,31,32) configured to control a rotation number of at least one of the at least one first motor (M1,M2) and the second motor (DM) during at least one of rise and fall time periods with a command clock signal and a feedback signal in accordance with a predetermined velocity curve.

FIG. 8



EP 1 496 404 A8