

Title (en)

Electrophotographic printer capable of printing on both sides of a sheet of paper.

Title (de)

Zum beidseitigen Bedrucken eines Papierblattes geeigneter elektrophotographischer Drucker.

Title (fr)

Imprimante électrophotographique permettant l'impression sur les deux faces d'une feuille de papier.

Publication

EP 0636951 A3 19950920 (EN)

Application

EP 94111881 A 19940729

Priority

- JP 20869793 A 19930730
- JP 25244793 A 19930914

Abstract (en)

[origin: EP0636951A2] The invention relates to an electrophotographic printer which can make printing first on the front side of a sheet of paper and then on the back side of the same sheet with conformity between the front and back sides in the head-bottom arrangement of the printed images. The printer has a photocountductive drum which can be rotated both in a normal direction and in the reverse direction, an exposure unit to produce electrostatic latent images on the drum surface, first developing means for developing the latent images with a toner when the drum is rotating in the normal direction, second developing means for developing the latent images with a toner when the drum is rotating in the reverse direction, a transfer unit for transferring the developed images to a sheet of paper, and first and second fixing means which are oppositely arranged with respect to the transfer unit. For printing on the front side of the paper sheet, the sheet is passed through the transfer unit in a first direction toward the first fixing means while the drum is rotating in the normal direction. For printing on the back side of the sheet, the sheet is further conveyed by a returning route which turns so as to reverse the sheet and extends to the transfer unit, and, while the drum is rotating in the reverse direction, the reversed and returned sheet passes through the transfer unit in the opposite second direction toward the second fixing means. <IMAGE>

IPC 1-7

G03G 15/23

IPC 8 full level

G03G 15/23 (2006.01); **G03G 15/30** (2006.01)

CPC (source: EP)

G03G 15/234 (2013.01); **G03G 15/30** (2013.01)

Citation (search report)

- [XA] DE 4204470 A1 19920820 - TOSHIBA KAWASAKI KK [JP]
- [A] EP 0476921 A2 19920325 - MITA INDUSTRIAL CO LTD [JP]
- [A] GB 1590872 A 19810610 - XEROX CORP
- [A] PATENT ABSTRACTS OF JAPAN vol. 17, no. 432 (P - 1589) 10 August 1993 (1993-08-10)
- [A] PATENT ABSTRACTS OF JAPAN vol. 5, no. 73 (P - 061) 15 May 1981 (1981-05-15)

Cited by

EP2818935A1; CN104249549A; US7179002B2; US9207618B2

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0636951 A2 19950201; EP 0636951 A3 19950920

DOCDB simple family (application)

EP 94111881 A 19940729