

Title (en)

Electrofotographic printing apparatus for printing on both sides of an endless paper web, comprising a thermal fixing unit.

Title (de)

Elektrofotografische Druckeinrichtung mit einer Thermo-Druckfixierstation zum beidseitigen Bedrucken einer Endlospapierbahn.

Title (fr)

Appareil d'impression Electrofotographique pour l'impression sur les deux faces d'une bande de papier sans fin, comprenant une unité de fixation thermique.

Publication

EP 0572050 A3 19941109 (DE)

Application

EP 93113961 A 19901204

Priority

- EP 93113961 A 19901204
- EP 91900795 A 19901204
- EP 89123027 A 19891213

Abstract (en)

[origin: WO9109352A1] An electrophotographic printer has an electrothermal fixing station (23) with a heated fixing roll (86) and a feed roll (87) which can be pivoted onto and away from the latter. Before the actual fixing, the reel paper is heated. To this end, it is guided around the fixing roll (86) through a predetermined winding angle (U) by an unheated, pivotable paper guide saddle (93). To ensure offset-free and smudge-free fixing of the printed image on the reel paper (12), the movements of the elements of the fixing station (23) and of the paper transport during starting and stopping are co-ordinated so that there is no relative movement between the fixing roll (86) and the toner image on the reel paper when the reel paper (12) is laid on the fixing roll (86) and when reel paper (12) peels off the fixing roll (86).

IPC 1-7

G03G 15/20; **G03G 15/00**

IPC 8 full level

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CPC (source: EP)

G03G 15/2028 (2013.01); **G03G 15/2064** (2013.01); **G03G 15/235** (2013.01); **G03G 2215/00223** (2013.01)

Citation (search report)

- [Y] US 3694073 A 19720926 - BHAGAT GOPAL C
- [DA] DE 2717260 A1 19781026 - SIEMENS AG
- [Y] K. SANDERS: "TWO-PATH ELECTROPHOTOGRAPHIC PRINT PROCESS", IBM TECHNICAL DISCLOSURE BULLETIN., vol. 22, no. 6, November 1979 (1979-11-01), NEW YORK US, pages 2465 - 2466
- [Y] PATENT ABSTRACTS OF JAPAN vol. 13, no. 135 (P - 851) 5 April 1989 (1989-04-05)
- [A] PATENT ABSTRACTS OF JAPAN vol. 6, no. 221 (P - 153)<1099> 5 November 1982 (1982-11-05)
- [A] EDWARD C. MCIRVINE: "METHOD FOR DUPLEX PRINTING ON CONTINUOUS WEB PAPER", XEROX DISCLOSURE JOURNAL., vol. 9, no. 3, STAMFORD, CONN US, pages 201 - 203, XP002100718

Cited by

US5752153A; DE19510728C1; US5790924A; EP2975467A1; US6188865B1; US9400463B2; WO9710533A1; WO9716767A1; WO9602872A1; WO9737284A1; WO9716768A1; WO9529430A1

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