

Title (en)  
ELECTROPHOTOGRAPHIC PRINTING MACHINE

Publication  
**EP 0552745 A3 19931027 (EN)**

Application  
**EP 93100821 A 19930120**

Priority  
JP 848992 A 19920121

Abstract (en)  
[origin: EP0552745A2] An electrophotographic printing machine includes a photoreceptor drum, and a dielectric transfer belt. The transfer belt moves in contact with a surface of the photoreceptor drum. A toner image formed on the surface of the photoreceptor drum is temporally transferred to the transfer belt, and is then transferred to and fixed on a recording material by a transfer and fusing unit. The transfer and fusing unit includes a heater and a pressure roller mounted to face each other with the transfer belt therebetween. The recording material is transported onto the transfer belt moving toward the heater, and then to the transfer and fusing unit by the transfer belt. The transfer belt stably applies a transport force evenly to the recording material without interruption so that the recording material is carried stably to the transfer and fusing unit. Consequently, the toner image is transferred to and fixed on the recording material without distortion. <IMAGE>

IPC 1-7  
**G03G 15/16**; **G03G 15/24**

IPC 8 full level  
**B41J 2/44** (2006.01); **B41J 2/45** (2006.01); **B41J 2/455** (2006.01); **G03G 15/05** (2006.01); **G03G 15/16** (2006.01); **G03G 15/20** (2006.01); **G03G 15/24** (2006.01); **G03G 15/34** (2006.01)

CPC (source: EP)  
**G03G 15/1605** (2013.01); **G03G 15/24** (2013.01); **G03G 15/344** (2013.01)

Citation (search report)  
• [X] EP 0364855 A1 19900425 - OCE NEDERLAND BV [NL]  
• [X] US 4439462 A 19840327 - TARUMI NORIYOSHI [JP], et al  
• [XP] EP 0482654 A2 19920429 - SEIKO EPSON CORP [JP]  
• [XP] DE 4204470 A1 19920820 - TOSHIBA KAWASAKI KK [JP]  
• [XP] EP 0510680 A2 19921028 - NEC CORP [JP]  
• [XP] DE 4213236 A1 19921105 - HITACHI LTD [JP]  
• [E] EP 0523631 A2 19930120 - SHARP KK [JP]  
• [E] EP 0533176 A2 19930324 - SHARP KK [JP]  
• [X] PATENT ABSTRACTS OF JAPAN vol. 13, no. 19 (P-814)18 January 1989 & JP-A-63 223 678 ( CANON K.K. ) 19 September 1988  
• [X] PATENT ABSTRACTS OF JAPAN vol. 6, no. 30 (P-103)(908) 23 February 1982 & JP-A-56 149 076 ( KONISHIROKU SHASHIN KOGYO K.K. ) 18 November 1981  
• [A] JOURNAL OF APPLIED PHYSICS vol. 63, no. 11, 1 June 1988, NEW YORK US pages 5589 - 5593 TETSUTANI ET AL. 'PHOTORECEPTOR CHARGING MECHANISM BY CONDUCTIVE PARTICLE RUBBING AND APPLICATION TO A NOVEL ELECTROGRAPHIC PRINTING TECHNOLOGY'

Cited by  
US7956064B2; US9062043B2

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**EP 0552745 A2 19930728**; **EP 0552745 A3 19931027**; **EP 0552745 B1 19970514**; DE 69310556 D1 19970619; DE 69310556 T2 19971218; JP H05197241 A 19930806

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