

Title (en)
ELECTROPHOTOGRAPHIC MACHINE WITH EFFICIENT TRANSFER

Publication
EP 0388342 A3 19910807 (EN)

Application
EP 90480013 A 19900202

Priority
• US 32483789 A 19890317
• US 41265089 A 19890925

Abstract (en)
[origin: EP0388342A2] An electrophotographic machine with a transfer corona generator (13) for producing ionic flow to the backside of print paper to electrostatically attach the paper to the photoreceptive image bearing surface (12). The machine includes a flexible support member (40-44) which is movably mounted to mechanically press the print paper against the photoreceptive surface within the transfer zone, preferably at or near the region of peak transfer charge distribution. In that manner, charge from the transfer corona attaches the print paper to the photoreceptive surface at the line of release from the mechanical pressure applied by the flexible support member and thereby eliminates voids in the transfer of toner to print paper caused by air gaps between the paper and the photoreceptive surface.

IPC 1-7
G03G 15/16

IPC 8 full level
G03G 15/16 (2006.01)

CPC (source: EP)
G03G 15/165 (2013.01)

Citation (search report)
• [X] GB 2207424 A 19890201 - MITA INDUSTRIAL CO LTD
• [X] DE 2359331 B2 19770804
• [E] US 4847652 A 19890711 - MASUDA ZITSUO [JP], et al
• PATENT ABSTRACTS OF JAPAN vol. 11, no. 370 (P-642)(2817), 3 December 1987; & JP - A - 141585 (MATSUSHITA ELECTRIC) 25.06.1987
• [X] PATENT ABSTRACTS OF JAPAN ,vol. 11, no. 370 (P-642)(2817), 3 December 1987; & JP-A-62 141 585 (MATSUSHITA ELECTRIC) 25.06.1987
• [A] PATENT ABSTRACTS OF JAPAN vol. 7, no. 109 (P-196)(1254), 12 May 1983; & JP-A-58 030 776 (MATSUSHITA DENKI SANGYO) 23.02.1983
• [A] PATENT ABSTRACTS OF JAPAN vol. 10, no. 188 (P-473)(2244), 3 July 1986; & JP-A-61 032 080 (FUJI XEROX) 14.02.1986
• [A] PATENT ABSTRACTS OF JAPAN vol. 13, no. 43 (P-821)(3391), 31.01.1989; & JP-A-63 239 478 (NEC CORP) 05.10.1988

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EP1184743A3; EP0622706A3; EP0622707A3; EP0507055A3; WO9858297A1

Designated contracting state (EPC)
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