

Title (en)

Electrophotographic machine with efficient transfer.

Title (de)

Elektrophotographisches Gerät mit wirkungsvoller Übertragung.

Title (fr)

Appareil électrophotographique avec transfert efficace.

Publication

EP 0388342 A2 19900919 (EN)

Application

EP 90480013 A 19900202

Priority

- US 32483789 A 19890317
- US 41265089 A 19890925

Abstract (en)

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)

Cited by

EP1184743A3; EP0622706A3; EP0622707A3; EP0507055A3; WO9858297A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 0388342 A2 19900919; EP 0388342 A3 19910807; CA 2007788 A1 19900917; JP H02278277 A 19901114

DOCDB simple family (application)

EP 90480013 A 19900202; CA 2007788 A 19900115; JP 6557690 A 19900317