

Title (en)

Image recording apparatus and printing method

Title (de)

Bildaufzeichnungsgerät und Druckverfahren

Title (fr)

Appareil pour l'enregistrement d'images et procédé d'impression

Publication

EP 0741341 A1 19961106 (EN)

Application

EP 96303137 A 19960503

Priority

US 43447195 A 19950504

Abstract (en)

An electrostatic printer comprises a toner supply for providing charged toner particles, a particle-flow modulating electrode member (120;220), which includes an aperture portion (113;213) that has a plurality of apertures and a back electrode (130;230) disposed in opposed relation with a surface of the modulating electrode member (120;220). A control circuit applies controlled electric signals to the modulating electrode member (120;220) and the back electrode (130;230), so as to cause streams of the charged toner particles to flow through selected ones of the apertures, toward the back electrode (130;230). A pressure member (140;240), such as a roller, is disposed in proximate opposed relation with a surface of the back electrode (130;230), so that a recording medium, such as a sheet of paper, interposed between the back electrode (130;230) and the pressure member (140;240) is pressed between the pressure member (140;240) and the surface of the back electrode (130;230) at directly opposing surface locations of the recording medium. A heating circuit is coupled with the back electrode or the pressure member for fusing the charged toner particles. <IMAGE>

IPC 1-7

G03G 15/34

IPC 8 full level

B41J 2/385 (2006.01); **G03G 15/05** (2006.01); **G03G 15/34** (2006.01)

CPC (source: EP)

G03G 15/346 (2013.01)

Citation (search report)

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- [XA] PATENT ABSTRACTS OF JAPAN vol. 008, no. 160 (M - 312) 25 July 1984 (1984-07-25)

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