

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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