

Title (en)

Writing device for applying charges on a substrate.

Title (de)

Schreibeinrichtung zum gesteuerten Aufbringen von Ladungsträgern auf ein Substrat.

Title (fr)

Dispositif d'inscription permettant de déposer des charges sur un substrat.

Publication

EP 0677391 A3 19980107 (DE)

Application

EP 95104246 A 19950323

Priority

DE 4413237 A 19940415

Abstract (en)

[origin: EP0677391A2] The appts. (1) has a charge carrier source (2) that is connected to an anode (8) and a cathode (9) creating a circuit containing a control appts. The control appts. is connected between the anode and cathode at to zero volts. When a specific voltage level between the anode and cathode is produced, a plasma flow (10) is produced and a transfer of ions (11) occurs to be deposited on the surface of a substrate (12). The charge pattern is transferred as a colour image onto paper. A number of charge carriers are produced as a highly integrated element within a print head. <IMAGE>

IPC 1-7

B41J 2/385

IPC 8 full level

B41J 2/415 (2006.01); **B41J 2/385** (2006.01); **B41J 2/40** (2006.01); **G03G 15/05** (2006.01)

CPC (source: EP US)

B41J 2/385 (2013.01 - EP US)

Citation (search report)

- [A] US 4763141 A 19880809 - GUNDLACH ROBERT W [US], et al
- [A] EP 0122003 A1 19841017 - XEROX CORP [US]
- [A] PATENT ABSTRACTS OF JAPAN vol. 011, no. 111 (M - 578) 8 April 1987 (1987-04-08)
- [A] PATENT ABSTRACTS OF JAPAN vol. 011, no. 372 (M - 648) 4 December 1987 (1987-12-04)
- [A] PATENT ABSTRACTS OF JAPAN vol. 016, no. 007 (M - 1198) 9 January 1992 (1992-01-09)

Cited by

US4566406A; EP0876918A3

Designated contracting state (EPC)

CH DE FR GB IT LI

DOCDB simple family (publication)

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DOCDB simple family (application)

EP 95104246 A 19950323; DE 4413237 A 19940415; JP 9051095 A 19950417; US 42245495 A 19950417