

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)

**EP 0677391 A2 19951018; EP 0677391 A3 19980107**; DE 4413237 A1 19951019; JP H07290758 A 19951107; US 5798782 A 19980825

DOCDB simple family (application)

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