

Title (en)

Electrostatic ink jet recording device

Title (de)

Elektrostatistisches Tintenstrahlaufzeichnungsgerät

Title (fr)

Dispositif d'enregistrement électrostatique à jet d'encre

Publication

EP 0778135 B1 19990915 (EN)

Application

EP 96119562 A 19961205

Priority

JP 32011295 A 19951208

Abstract (en)

[origin: EP0778135A2] In an electrostatic ink jet recording device, an ink chamber stores liquid ink containing charged toner particles. An ejection opening or slit is formed in one end portion of the ink chamber. An electrophoresis electrode is positioned at the other end portion of the ink chamber facing the one end portion. A plurality of record electrodes are arranged in parallel in the ejection opening. A counter electrode faces the record electrodes with the intermediary of a path for transporting a recording medium. Discharging means is located upstream of the counter electrode with respect to the intended direction of medium transport. The discharging means dissipates any undesirable charge deposited on the recording medium before the medium reaches the counter electrode. <IMAGE>

IPC 1-7

B41J 2/06; **B41J 2/14**

IPC 8 full level

B41J 2/06 (2006.01); **B41J 2/385** (2006.01); **B41J 29/00** (2006.01)

CPC (source: EP)

B41J 2/06 (2013.01); **B41J 2002/061** (2013.01)

Cited by

EP1522410A1; EP0779155A3; US5801730A; US7300139B2

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0778135 A2 19970611; **EP 0778135 A3 19971022**; **EP 0778135 B1 19990915**; DE 69604267 D1 19991021; DE 69604267 T2 20000511; JP 2783227 B2 19980806; JP H09156110 A 19970617

DOCDB simple family (application)

EP 96119562 A 19961205; DE 69604267 T 19961205; JP 32011295 A 19951208