

Title (en)

Print window improvement for continuous ink jet printer

Title (de)

Verbesserung des Druckspannungsbereiches für einen kontinuierlichen Tintenstrahldrucker

Title (fr)

Amélioration de la plage de tension d'impression d'une imprimante à jet d'encre continu

Publication

**EP 1013425 A2 20000628 (EN)**

Application

**EP 99309553 A 19991129**

Priority

US 21120498 A 19981214

Abstract (en)

A system and method are provided for improving the operating latitude for the charging and deflection voltage of an ink jet printhead, by catching non-print drops (16) with a wall impinging catcher to form a fluid layer in a face (10) of the catcher; and lowering drag on the fluid layer on the catcher face. This is accomplished by providing a drop generator for producing ink drops and a catcher/charge plate assembly for catching and recirculating non print drops. A printhead frame maintains the alignment of the drop generator and the catcher/charge plate assembly. Temperature induced distortion of these components is eliminated by heating them to a constant temperature. <IMAGE>

IPC 1-7

**B41J 2/085**; **B41J 2/185**

IPC 8 full level

**B41J 2/18** (2006.01); **B41J 2/07** (2006.01); **B41J 2/085** (2006.01); **B41J 2/185** (2006.01)

CPC (source: EP)

**B41J 2/072** (2013.01); **B41J 2/085** (2013.01); **B41J 2/185** (2013.01); **B41J 2002/1853** (2013.01)

Citation (applicant)

US 4757328 A 19880712 - BRAUN HILARION [US], et al

Cited by

US2012026260A1; US8398222B2; US2012026259A1; US8444260B2; US8777387B1; US8857954B2; US8337003B2; US8740366B1; WO2012015675A1; US8746863B1; WO2014164166A1

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