

Title (en)

Suction print head for an ink jet printer.

Title (de)

Schreibkopf mit Ansaugung für Tintenstrahldrucker.

Title (fr)

Tête d'impression à aspiration pour imprimante à jet d'encre.

Publication

EP 0017757 A1 19801029 (FR)

Application

EP 80101299 A 19800313

Priority

US 3242479 A 19790423

Abstract (en)

[origin: US4260996A] Disclosed is an ink jet printer head employing an ink droplet aspirator which includes a housing having a tunnel therein spaced from an ink jet nozzle which emits a stream of ink droplets which pass through the tunnel. A gas stream is also directed through the tunnel at substantially the same velocity as the ink stream. While the upper and lower walls of the aspirator tunnel are formed of sintered metal thereby forming the deflection electrodes, the sidewalls of the tunnel are formed of a dielectric material and are made movable, for example by collapsing toward and away from the tunnel top and bottom walls (deflection electrodes) so as to inhibit sidewall contamination during start up and shut down of the ink stream.

Abstract (fr)

Tête d'impression à aspiration pour imprimante à jet d'encre. Elle comporte les électrodes de déviation (21) et (22) ainsi que les parois mobiles (35) et (36). Lors de la mise en fonction de l'imprimante, de l'air comprimé est appliqué aux éléments en forme de soufflet (39) et (40) et les parois mobiles (35) et (36) sont amenées en contact avec les surfaces (21b), (22b) et (21c), (22c) des électrodes de déviation.

IPC 1-7

B41J 3/04

IPC 8 full level

B41J 2/02 (2006.01); **B41J 2/18** (2006.01); **B41J 2/09** (2006.01); **B41J 2/185** (2006.01); **G06K 15/10** (2006.01)

CPC (source: EP US)

B41J 2/02 (2013.01 - EP US); **B41J 2/09** (2013.01 - EP US)

Citation (search report)

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DOCDB simple family (application)

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