

Title (en)

Improved deflection electrode arrangement for an aspirated ink jet printer.

Title (de)

Aufbau von Ablenkungselektroden für einen absaugenden Tintenstrahldrucker.

Title (fr)

Construction à disposition des électrodes de déflexion pour imprimante à jet d'encre aspirant.

Publication

EP 0042049 A1 19811223 (EN)

Application

EP 81102746 A 19810410

Priority

US 15955980 A 19800616

Abstract (en)

Deflection electrode arrangement (10) for ink jet printer wherein charged ink droplets are deflected by charge deflection electrodes (21, 22) to effect printing, including a tunnel (20) for passage therethrough of air and the stream of ink. Within the tunnel (20) are first (21) and second (22) longitudinally extending deflection electrodes in spaced apart confronting relation for effecting deflection of the charged drops in the ink stream passing therebetween. Electrically conductive continuations (26, 27) of at least one (22) of the deflection electrodes extend towards the other electrode (21) and along the interior of the tunnel (20) so that during start up and shut down of the ink stream, misdirection of drops from the intended stream direction which would normally tend to impact the sidewall of the tunnel (20) will strike the electrically conductive continuations (26, 27) of the deflection electrode (22) thereby accommodating ink drop contamination of the tunnel interior.

IPC 1-7

B41J 3/04

IPC 8 full level

B41J 2/085 (2006.01); **B41J 2/09** (2006.01)

CPC (source: EP)

B41J 2/09 (2013.01)

Citation (search report)

No relevant documents have been disclosed.

Cited by

US5434609A; WO9828148A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 0042049 A1 19811223; **EP 0042049 B1 19831109**; CA 1189896 A 19850702; DE 3161360 D1 19831215; JP S5712664 A 19820122

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EP 81102746 A 19810410; CA 374663 A 19810403; DE 3161360 T 19810410; JP 4570881 A 19810330