

Title (en)

Process for the manufacture of a droplets-generating device for ink printer units.

Title (de)

Verfahren zur Herstellung einer Anordnung zur Tröpfchenerzeugung in Tintenschreibeinrichtungen.

Title (fr)

Procédé de fabrication d'un système de génération de gouttelettes pour dispositifs d'écriture à encre.

Publication

EP 0204099 A1 19861210 (DE)

Application

EP 86104558 A 19860403

Priority

DE 3512837 A 19850410

Abstract (en)

[origin: US4626323A] A method of producing a printing element or writing head having a common ink chamber formed in a surface of the substrate which chamber has a pair of channels separated by a ridge and is covered by a comb and conductor loop arrangement having middle portions with the ink nozzle characterized by applying a plurality of different layers on the substrate, creating an electroplating mask on the last-applied layer, electroplating to produce the structure for the comb and conductor loops, then forming an etching mask by removing portions of the plating mask and the layers of material underneath those portions in the area of the channel, removing the material of the substrate to form the channel and then subsequently removing layers to loosen the middle portions of each of the conductor loops from the ridge.

Abstract (de)

Eine galvanoplastische Kammanordnung, welche mittels Einzelschritt-Verfahren hergestellt wird, besteht aus einzelnen Bügeln (7), die als Antriebselemente zum Ausstoss von Tintenröpfchen in Tintenschreibeinrichtungen dienen.

IPC 1-7

B41J 3/04

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

- [A] DE 3333980 A1 19850404 - SIEMENS AG [DE]
- [A] US 4412224 A 19831025 - SUGITANI HIROSHI [JP]
- [A] IBM TECHNICAL DISCLOSURE BULLETIN, Band 20, Nr. 8, Januar 1978, Seiten 3307-3308, New York, US; S.E. NICKOLS et al.: "Head body fabrication from a photosensitive glass"

Cited by

DE3529021A1; EP0578130B1

Designated contracting state (EPC)

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US 4626323 A 19861202; DE 3669685 D1 19900426; EP 0204099 A1 19861210; EP 0204099 B1 19900321; JP S61235590 A 19861020

DOCDB simple family (application)

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