

Title (en)

Microdroplets generator in particular for ink jet printers

Title (de)

Tropfenerzeuger für Mikrotropfen, insbesondere für einen Ink-Jet-Printer

Title (fr)

Générateur de micro-gouttelettes en particulier pour imprimante à jet d'encre

Publication

EP 0713773 B1 19991215 (DE)

Application

EP 95810667 A 19951027

Priority

CH 354594 A 19941124

Abstract (en)

[origin: EP0713773A2] The system to generate micro drops, especially for an ink-jet printer, has a housing (1) with a chamber (5) containing a number of piezo electric bending transducers. The chamber (5) has dividing walls (26) between them at least near the second end (16), opposite the first end fixed to the housing (1). The dividing walls (26) are processed to give electroplated deposits of metal, or through anisotropic etching of monocrystalline silicon, or through photographic structuring of photo varnishes or films. The upper transducer surface has a cladding, which is not electrically conductive, such as of organically modified ceramics, an epoxy resin, an acrylate polymer or of polyurethane.

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B41J 2/045

IPC 8 full level

B41J 2/14 (2006.01)

CPC (source: EP US)

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Cited by

EP1036660A1; EP3540281A1; DE10007053A1; DE10007053C2; US7416282B2; DE102004040700B4; DE10007052A1; DE10039255A1; DE10039255B4; DE10139397A1; DE10139397B4; EP1285762A3; DE10007055A1; DE19831335A1; DE19626428A1; US6116517A; US6286925B1; EP1285762A2; US6969156B2; DE19911399C2; IT201800003552A1; US7845764B2; US7980670B2; US6460979B1; US10941880B2

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