

Title (en)
Inkjet nozzle with Lorentz force actuator

Title (de)
Tintenstrahldüse mit Lorentz-Kraft-Element

Title (fr)
Buse de jet d'encre avec actuateur à force Lorentz

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Abstract (en)
[origin: WO9903680A1] The ink jet printer ejection nozzle comprises a solenoid (11) which when operated, attracts the moveable plate (15) towards the fixed plate (13). This movement imparts momentum to the ink within the nozzle chamber (17). This momentum causes ejection of ink from the chamber. In addition there have been disclosed a large number of embodiments dealing with such items as: shutter means, linear stepper actuation, shape memory alloys, and methods of manufacturing a semiconductor wafer for use in an ink jet printer nozzle. The description includes 130 pages of description and 347 figures, and includes a summary of ink jet technology.

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