

Title (en)

Inkjet nozzle with solenoid actuator

Title (de)

Tintenstrahldüse mit elektromagnetischem Betätigungselement

Title (fr)

Buse pour imprimante pour jet d'encre avec actionneur à solénoïde

Publication

EP 1508446 B1 20070110 (EN)

Application

EP 04024066 A 19980715

Priority

- AU PO806697 A 19970715
- AU PO807297 A 19970715
- AU PO807197 A 19970715
- AU PO804797 A 19970715
- AU PO803597 A 19970715
- AU PO804497 A 19970715
- AU PO806397 A 19970715
- AU PO805697 A 19970715
- AU PO806997 A 19970715
- AU PO804997 A 19970715
- AU PO803697 A 19970715
- AU PO804897 A 19970715
- AU PO807097 A 19970715
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- AU PO805597 A 19970715
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- AU PO807597 A 19970715
- AU PO807797 A 19970715
- AU PO805897 A 19970715
- AU PP398398 A 19980609
- AU PP398298 A 19980609
- EP 98933350 A 19980715

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.

IPC 8 full level

B41J 2/045 (2006.01); **B41J 2/13** (2006.01); **B41J 2/14** (2006.01); **B41J 2/16** (2006.01); **B41J 2/175** (2006.01); **B41J 3/42** (2006.01); **B41J 3/44** (2006.01)

CPC (source: EP)

B41J 2/14314 (2013.01); **B41J 2/14427** (2013.01); **B41J 2/1623** (2013.01); **B41J 2/1628** (2013.01); **B41J 2/1629** (2013.01); **B41J 2/1631** (2013.01); **B41J 2/1632** (2013.01); **B41J 2/1635** (2013.01); **B41J 2/1639** (2013.01); **B41J 2/1642** (2013.01); **B41J 2/1643** (2013.01); **B41J 2/1645** (2013.01); **B41J 2/1646** (2013.01); **B41J 2/1648** (2013.01); **B41J 2/17596** (2013.01); **B41J 3/445** (2013.01); **B41J 2002/041** (2013.01)

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CN104401129A; WO2008030474A3; US8234998B2; US8689726B2

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI NL PT SE

DOCDB simple family (publication)

WO 9903680 A1 19990128; AT E289922 T1 20050315; AT E352420 T1 20070215; AT E352421 T1 20070215; AT E352422 T1 20070215; AT E352423 T1 20070215; AT E353053 T1 20070215; AT E355972 T1 20070315; AT E381991 T1 20080115; EP 0999933 A1 20000517; EP 0999933 A4 20001220; EP 0999933 B1 20050302; EP 1508443 A2 20050223; EP 1508443 A3 20050316; EP 1508443 B1 20070307; EP 1508444 A2 20050223; EP 1508444 A3 20050316; EP 1508444 B1 20071121; EP 1508445 A1 20050223; EP 1508445 B1 20070131; EP 1508446 A1 20050223; EP 1508446 B1 20070110; EP 1508448 A1 20050223; EP 1508448 B1 20070117; EP 1508449 A1 20050223; EP 1508449 B1 20070124; EP 1510339 A2 20050302; EP 1510339 A3 20050309; EP 1510339 B1 20070124; EP 1510340 A2 20050302;

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EP 1512535 A1 20050309; EP 1512535 B1 20071226; JP 2001510107 A 20010731; JP 2007062379 A 20070315; JP 2007062380 A 20070315;
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JP 4170582 B2 20081022; JP 4171037 B2 20081022; JP 4173174 B2 20081029; JP 4185538 B2 20081126

DOCDB simple family (application)

AU 9800548 W 19980715; AT 04024057 T 19980715; AT 04024059 T 19980715; AT 04024060 T 19980715; AT 04024062 T 19980715;
AT 04024063 T 19980715; AT 04024064 T 19980715; AT 04024065 T 19980715; AT 98933350 T 19980715; EP 04024057 A 19980715;
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JP 2000502941 A 19980715; JP 2006270310 A 20061002; JP 2006270641 A 20061002; JP 2006270743 A 20061002;
JP 2006270831 A 20061002; JP 2006270974 A 20061002