

Title (en)

Inkjet printer with magnetic piston actuator

Title (de)

Tintenstrahldrucker mit magnetisch angetriebenem Kolben

Title (fr)

Imprimante à jet d'encre avec piston actionné par force magnétique

Publication

EP 1512535 A1 20050309 (EN)

Application

EP 04024059 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
- AU PO806797 A 19970715
- AU PO800197 A 19970715
- AU PO804197 A 19970715
- AU PO800497 A 19970715
- AU PO793597 A 19970715
- AU PO793697 A 19970715
- AU PO806197 A 19970715
- AU PO805497 A 19970715
- AU PO806597 A 19970715
- AU PO805597 A 19970715
- AU PO805397 A 19970715
- AU PO793397 A 19970715
- AU PO795097 A 19970715
- AU PO794997 A 19970715
- AU PO806097 A 19970715
- AU PO805997 A 19970715
- AU PO807397 A 19970715
- AU PO807697 A 19970715
- 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)

An ink jet printing nozzle apparatus comprising: a nozzle chamber in fluid communication with an ink chamber and utilized for the storage of ink to be printed out by said nozzle apparatus, said nozzle chamber having a nozzle chamber outlet hole for the ejection of ink from said nozzle chamber; a magnetic piston located over an aperture in said nozzle chamber; and an activation coil located adjacent to said magnetic piston, said coil upon activation by a current applying a force to said piston sufficient to cause movement of said piston from a first position to a second position, said movement causing ink within said nozzle chamber to be ejected from said nozzle chamber through a nozzle chamber outlet hole onto print media.
<IMAGE>

IPC 1-7

B41J 2/16; B41J 2/14

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)

Citation (search report)

- [A] GB 1569425 A 19800618 - XEROX CORP
- [A] PATENT ABSTRACTS OF JAPAN vol. 004, no. 102 (M - 022) 22 July 1980 (1980-07-22)
- [A] PATENT ABSTRACTS OF JAPAN vol. 016, no. 384 (M - 1296) 17 August 1992 (1992-08-17)

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; EP 1510340 A3 20050309; EP 1510340 B1 20070124; EP 1510341 A2 20050302; EP 1510341 A3 20050316; EP 1510341 B1 20070124; EP 1512535 A1 20050309; EP 1512535 B1 20071226; JP 2001510107 A 20010731; JP 2007062379 A 20070315; JP 2007062380 A 20070315; JP 2007062381 A 20070315; JP 2007062382 A 20070315; JP 2007062383 A 20070315; JP 4137964 B2 20080820; JP 4137965 B2 20080820; 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; EP 04024058 A 19980715; EP 04024059 A 19980715; EP 04024060 A 19980715; EP 04024061 A 19980715; EP 04024062 A 19980715; EP 04024063 A 19980715; EP 04024064 A 19980715; EP 04024065 A 19980715; EP 04024066 A 19980715; EP 98933350 A 19980715; JP 2000502941 A 19980715; JP 2006270310 A 20061002; JP 2006270641 A 20061002; JP 2006270743 A 20061002; JP 2006270831 A 20061002; JP 2006270974 A 20061002