

Title (en)

Inkjet printhead for printing with low density keep-wet dots

Title (de)

Tintenstrahldruckkopf zum Drucken mit feuchten Tröpfchen mit geringer Dichte

Title (fr)

Tête d'impression à jet d'encre pour impression de points maintenus humides à faible densité

Publication

EP 2623321 A1 20130807 (EN)

Application

EP 13154636 A 20050404

Priority

- EP 13154636 A 20050404
- EP 05714349 A 20050404
- AU 2005000480 W 20050404

Abstract (en)

An inkjet printer comprises a printhead for printing onto a media substrate and a print engine controller to control the ejection of drops from each of the printhead. The controller is configured such that each nozzle is actuated to eject a keep-wet drop if the interval between successive actuations of reaches a predetermined maximum. The density of dots on the media substrate from the keep-wet drops is less than 1:250 and not clustered so as not to produce any visible artifacts to the eye.

IPC 8 full level

B41J 2/01 (2006.01); **B81B 7/02** (2006.01); **G01F 23/22** (2006.01); **G01F 23/24** (2006.01)

CPC (source: EP)

B41J 2/1412 (2013.01); **B41J 2/14153** (2013.01); **B41J 2/155** (2013.01); **B41J 2/1601** (2013.01); **B41J 2/1623** (2013.01); **B41J 2/1628** (2013.01);
B41J 2/1631 (2013.01); **B41J 2/1639** (2013.01); **B41J 2/1642** (2013.01); **B41J 2/1645** (2013.01); **B41J 2/1646** (2013.01);
B41J 2/16529 (2024.05); **B41J 2/16579** (2013.01); **B41J 2002/1437** (2013.01); **B41J 2002/14475** (2013.01); **B41J 2002/14491** (2013.01);
B41J 2202/20 (2013.01)

Citation (applicant)

- US 3747120 A 19730717 - STEMME N
- US 6786575 B2 20040907 - ANDERSON FRANK EDWARD [US], et al
- US 4513298 A 19850423 - SCHEU FRIEDRICH [US]
- US 5861902 A 19990119 - BEERLING TIMOTHY E [US]
- CHIU-CHIH CHIANG: "Physical and Barrier Properties of Amorphous Silicon-Oxycarbide Deposited by PECVD from Octamethylcyclotetrasiloxane", JOURNAL OF THE ELECTROCHEMICAL SOCIETY, 2004, pages 151
- TAKAYUKI OHBA: "A Study of Current Multilevel Interconnect Technologies for 90 nm Nodes and Beyond", FUJITSU MAGAZINE, vol. 38-1
- "Chromium ion implantation for inhibition of corrosion of aluminium", SURFACE AND COATINGS TECHNOLOGY, vol. 83, no. 1-3, September 1996 (1996-09-01)

Citation (search report)

- [XI] EP 1205307 A2 20020515 - CANON KK [JP]
- [A] JP S55139269 A 19801030 - SUWA SEIKOSHA KK, et al
- [A] FERRINGER M C ET AL: "COLOR MAINTENANCE SPITTING ALGORITHM FOR INK JET PRINTERS", XEROX DISCLOSURE JOURNAL, XEROX CORPORATION. STAMFORD, CONN, US, vol. 23, no. 3, 1 May 1998 (1998-05-01), pages 131, XP000780395

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2006105570 A1 20061012; AU 2005330071 A1 20061012; AU 2005330071 B2 20091119; CA 2602714 A1 20061012;
CA 2602714 C 20130730; EP 1871605 A1 20080102; EP 1871605 A4 20130220; EP 2623321 A1 20130807

DOCDB simple family (application)

AU 2005000480 W 20050404; AU 2005330071 A 20050404; CA 2602714 A 20050404; EP 05714349 A 20050404; EP 13154636 A 20050404