



- (51) International Patent Classification:
B41J 2/14 (2006.01)
- (21) International Application Number:
PCT/EP2014/063462
- (22) International Filing Date:
25 June 2014 (25.06.2014)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
61/859,889 30 July 2013 (30.07.2013) US
- (71) Applicant: **MEMJET TECHNOLOGY LIMITED**
[IE/IE]; 61/62 Fitzwilliam Lane, Dublin, 2 (IE).
- (72) Inventor: **NORTH, Angus John**; 6-8 Lyon Park Road,
North Ryde, New South Wales 2113 (AU).
- (81) Designated States (*unless otherwise indicated, for every
kind of national protection available*): AE, AG, AL, AM,
AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY,
BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM,

DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT,
HN, HR, HU, ID, IL, IN, IR, IS, JP, KE, KG, KN, KP, KR,
KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME,
MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ,
OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA,
SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM,
ZW.

- (84) Designated States (*unless otherwise indicated, for every
kind of regional protection available*): ARIPO (BW, GH,
GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ,
UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ,
TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK,
EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV,
MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM,
TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
KM, ML, MR, NE, SN, TD, TG).

Published:

— with international search report (Art. 21(3))

(54) Title: INKJET NOZZLE DEVICE HAVING HIGH DEGREE OF SYMMETRY

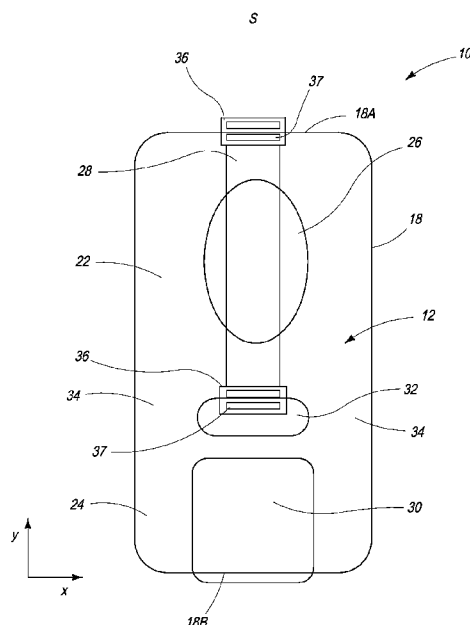


FIG. 2

(57) Abstract: An inkjet nozzle device includes a main chamber having a floor, a roof and a perimeter wall extending between the floor and the roof. The main chamber includes: a firing chamber having a nozzle aperture defined in the roof and an actuator for ejection of ink through the nozzle aperture; an antechamber for supplying ink to the firing chamber, the antechamber having a main chamber inlet defined in the floor; and a baffle structure partitioning the main chamber to define the firing chamber and the antechamber, the baffle structure extending between the floor and the roof. The firing chamber and the antechamber have a common plane of symmetry.