



- (51) **International Patent Classification:**
B41J 2/155 (2006.01) *C09D 11/40* (2006.01)
- (21) **International Application Number:**
PCT/EP2012/068206
- (22) **International Filing Date:**
17 September 2012 (17.09.2012)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
61/537,063 21 September 2011 (21.09.2011) US
- (71) **Applicant:** ZAMTEC LIMITED [IE/IE]; 8 Fitzwilliam Square, Dublin, 2 (IE).
- (72) **Inventors:** PRASHAR, Jognandan Kumar; 6-8 Lyon Park Road, North Ryde, North Ryde, New South Wales 2113 (AU). BISSON, Adrian Peter; 6-8 Lyon Park Road, North Ryde, North Ryde, New South Wales 2113 (AU). BROWN, Brian Robert; 6-8 Lyon Park Road, North Ryde, North Ryde, New South Wales 2113 (AU). JARA-MILLO, Galo David; 393 Darling Street, Balmian, Balmian, New South Wales 2041 (AU). JURCEVIC, Mile; 6-8 Lyon Park Road, North Ryde, North Ryde, New South Wales 2113 (AU).
- (74) **Agents:** HANNA MOORE & CURLEY et al.; 13 Lower Lad Lane, Dublin, D2 (IE).

(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, IS, JP, KE, KG, KM, 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, 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, ML, MR, NE, SN, TD, TG).

Published:

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

(54) **Title:** PRINTER FOR MINIMIZING ADVERSE MIXING OF HIGH AND LOW LUMINANCE INKS AT NOZZLE FACE OF INKJET PRINthead

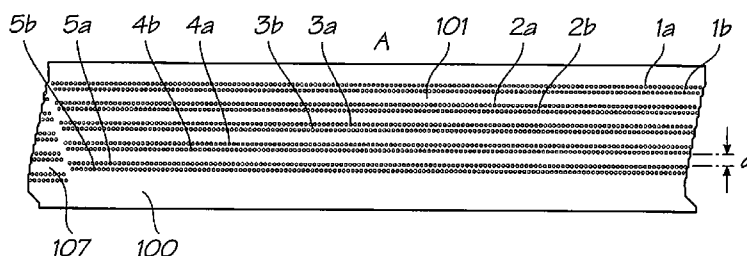


FIG. 2

(57) **Abstract:** An inkjet printer includes an inkjet printhead having a plurality of color planes (1-5) for ejecting a plurality of different inks. Each color plane (1-5) has a nozzle row defined in a nozzle face of the printhead and each nozzle in a respective color plane is supplied with a same ink. The printhead is plumbed such that a first color plane ejecting a first ink having a relatively low luminance is sandwiched between second and third color planes ejecting respective second and third inks having a relatively high luminance. A plurality of ink reservoirs are in fluid communication with the printhead, the ink reservoirs containing the first, second and third inks. An amount of surfactant in the first ink is at least 0.4 wt% greater than an amount of surfactant in the second and third inks.