



(43) International Publication Date
15 January 2015 (15.01.2015)

(10) International Publication Number
WO 2015/003910 A1

- (51) **International Patent Classification:**
C09D 11/00 (2014.01) *B41J 2/00* (2006.01)
- (21) **International Application Number:**
PCT/EP2014/063461
- (22) **International Filing Date:**
25 June 2014 (25.06.2014)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
61/844,276 9 July 2013 (09.07.2013) US
- (71) **Applicant:** MEMJET TECHNOLOGY LIMITED
[IE/IE]; 61/62 Fitzwilliam Lane, Dublin, 2 (IE).
- (72) **Inventors:** FIELDER, Simon; 6-8 Lyon Park Road, North Ryde, New South Wales 2113 (AU). GIMONA, Michele; 6-8 Lyon Park Road, North Ryde, New South Wales 2113 (AU). BARTON, Christopher; 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:** INK FOR IMPROVING PRINthead LIFETIME

(57) **Abstract:** An inkjet ink includes: an ink vehicle; a colorant; and an acetylenic compound having an alkoxyated hydroxyl group, wherein the hydroxyl group is a primary or secondary hydroxyl group and the acetylenic compound is absent a lipophilic group. Printheads having resistive heater elements exposed to such inks have prolonged lifetimes compared to reference inks.



WO 2015/003910 A1