

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
12 August 2010 (12.08.2010)

PCT

(10) International Publication Number
WO 2010/089564 A1

(51) International Patent Classification:
C09D 11/00 (2006.01) **C09D 5/24** (2006.01)

(21) International Application Number:
PCT/GB2010/000211

(22) International Filing Date:
4 February 2010 (04.02.2010)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0901721.1 4 February 2009 (04.02.2009) GB

(72) Inventors; and

(71) Applicants : **PILDITCH, Rebecca, Lynn** [GB/GB]; 41 Graveley Road, Offord D'Arcy, St. Neots, Cambridgeshire PE19 5RB (GB). **LIZARDI, Isabel** [US/US]; 7 Stoney Brook Road, Wallingford, Connecticut 06492 (US). **NELSON, Bibiana, Christina** [GB/GB]; 12 Oakley Yard, 48-52 Bacon Street, London E2 6DU (GB). **JOHNSON, Matt, Mullins** [US/US]; 216 West Hyman Ave, Aspen, Colorado 81611 (US).

(74) Agent: **SMYTH, Gyles, Darren**; Marks & Clerk LLP, 90 Long Acre, London WC2E 9RA (GB).

(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, 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, PE, PG, PH, PL, PT, RO, RS, RU, 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, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (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, 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: SKIN-SAFE CONDUCTIVE INK AND METHOD FOR APPLICATION ON THE BODY

(57) Abstract: An ink comprising a particulate conductive material, a binder and a humectant, the conductive material being present in sufficient amount that the ink, once dry, is electrically conductive, may be applied, for example, to the human or animal body and enables such a body to function as part of an electrical circuit.



WO 2010/089564 A1