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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
10 February 2011 (10.02.2011)

PCT

(10) International Publication Number
WO 2011/015857 A2

(51) International Patent Classification:
A61K 8/44 (2006.01)

(21) International Application Number:
PCT/GB2010/051269

(22) International Filing Date:
2 August 2010 (02.08.2010)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/230,868 3 August 2009 (03.08.2009) US

(71) Applicant *(for all designated States except US)*: **INNOSPEC LIMITED** [GB/GB]; Innospec Manufacturing Park, Oil Sites Road, Ellesmere Port Cheshire CH65 4EY (GB).

(72) Inventor; and

(75) Inventor/Applicant *(for US only)*: **COTRELL, Phillip** [US/US]; 410 Wildwood Drive, Salisbury, North Carolina 28146 (US).

(74) Agent: **PIDGEON, Robert**; 15 Clare Road, Halifax yorkshire HX1 2HY (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.

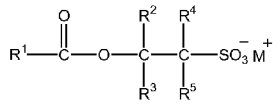
(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU,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

Published:

— *without international search report and to be republished upon receipt of that report (Rule 48.2(g))*

WO 2011/015857 A2

(54) **Title**: COMPOSITION



(I)

(57) **Abstract**: A low irritancy cleansing composition comprises: (a) an anionic surfactant compound of formula (I): wherein R^1 represents a C_{4-36} substituted or unsubstituted hydrocarbyl group; each of R^2, R^3, R^4 and R^5 independently represents a hydrogen atom or a C_{1-4} alkyl group and wherein at least one of R^2, R^3, R^4 and R^5 is not hydrogen and M^+ represents a cation; and (b) an amphoteric surfactant; wherein the molar ratio of component (a) to component (b) is from 0.25:1 to 4:1 and wherein the composition comprises less than 3 wt% polyethoxylated non-ionic species.