

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
14 June 2007 (14.06.2007)

PCT

(10) International Publication Number
WO 2007/067463 A1

(51) International Patent Classification:

C02F 1/54 (2006.01) **C10G 33/04** (2006.01)
C08G 77/04 (2006.01) **C09K 8/00** (2006.01)
C08G 77/46 (2006.01)

(21) International Application Number:

PCT/US2006/046187

(22) International Filing Date:

4 December 2006 (04.12.2006)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

11/296,796 7 December 2005 (07.12.2005) US

(71) Applicant (for all designated States except US): **GENERAL ELECTRIC COMPANY** [US/US]; (A NEW YORK CORPORATION), 1 RIVER ROAD, Schenectady, NY 12345 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **PROCTER, Ian** [GB/CH]; CHEMIN DES BUISSONS-RONDS, 16, CH-1279 Bogis-Bossey (CH). **AZOUANI, Sabine, Isabelle** [FR/FR]; 49 RUE DE GENEVE, F-01210 (FR). **HAUBRICHS, Rolf** [DE/CH]; 27 RUE DE LA PRAIRIE, CH-1202 Geneve (CH).

(74) Agents: **MCQUAY, Mardson** et al.; GENRAL ELECTRIC COMPANY, GLOBAL PATENT OPERATION, 187 DANBURY ROAD, SUITE 204, Wilton, CT 06897 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, 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, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, 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, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PROCESS FOR SEPARATING MIXTURES

(57) Abstract: There is provided herein in one specific embodiment a process for separating a mixture comprising: combining at least one silicone surfactant (a), where silicone of silicone surfactant (a) has the general structure of: $M_a^1 M_b^2 D_c^1 D_d^2 T_e^1 T_f^2 Q_g$ and a mixture (b) comprising an aqueous phase, a solid filler phase and optionally an oil phase that is substantially insoluble in said aqueous phase; and providing for separation of any one or more of said aqueous phase, said solid filler phase, and if present, said oil phase from mixture (b) to provide a separated mixture (b).

WO 2007/067463 A1