



(51) International Patent Classification:
C07C 407/00 (2006.01) *C08F 4/34* (2006.01)
C07C 409/00 (2006.01)

(21) International Application Number:
PCT/EP2010/061251

(22) International Filing Date:
3 August 2010 (03.08.2010)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
09167351.7 6 August 2009 (06.08.2009) EP
61/244,571 22 September 2009 (22.09.2009) US

(71) Applicant (for all designated States except US): **AKZO NOBEL CHEMICALS INTERNATIONAL B.V.** [NL/NL]; Stationsstraat 77, NL-3811 MH Amersfoort (NL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **DE JONG, Johannes Jacobus Theodorus** [NL/NL]; De Ham 13, NL-6932 BR Westervoort (NL). **NUYSINK, Johan** [NL/NL]; Prins Willem Alexanderlaan 42, NL-7462 EV Rijssen (NL). **VANDUFFEL, Koen Antoon Kornelis** [BE/NL]; Stevinhof 1, NL-7424 AG Deventer (NL). **WAANDERS, Petrus Paulus** [NL/NL]; Bentinckstraat 13, NL-7471 SL Goor (NL).

(74) Agent: **ALFERINK, Petrus Johannes Theodorus**; Akzo Nobel N.V., Legal, IP & Compliance, P.O. Box 9300, NL-6800 SB Arnhem (NL).

(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))

(54) Title: STORAGE STABLE AND SAFE PEROXIDE EMULSIONS WITH A HIGH ACTIVE OXYGEN CONTENT

(57) Abstract: Emulsion comprising an oil phase dispersed in an aqueous phase, wherein said oil phase comprises at least 53 wt% of one or more organic peroxides, more than 50 wt% of which have a molecular active oxygen content of at least 7.00 5 wt%, said emulsion satisfying the classification tests for organic peroxide type F. This emulsion allows the safe transport and storage of organic peroxide emulsions with high active oxygen content without the need for larger vent openings or higher design pressure of transport tanks and storage tanks.

