



(43) International Publication Date
23 January 2014 (23.01.2014)

(10) International Publication Number
WO 2014/012884 A1

- (51) **International Patent Classification:**
C08K 5/07 (2006.01) *C08L 23/22* (2006.01)
- (21) **International Application Number:**
PCT/EP2013/064895
- (22) **International Filing Date:**
15 July 2013 (15.07.2013)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
BE2012/0499 16 July 2012 (16.07.2012) BE
13154995.8 12 February 2013 (12.02.2013) EP
- (71) **Applicant:** **EMULCO LABORATORIES C.V.B.A.**
[BE/BE]; Henri Farmanstraat 25 - Haven 535A, B-9000
Gent (BE).
- (72) **Inventor:** **TAETS, Lieve**; Henri Farmanstraat 25 - Haven
535A, B-9000 Gent (BE).
- (74) **Agent:** **BRANTS, Johan**; Brantsandpatents bvba, Gulden-
sporenpark 75, B-9820 Merelbeke (BE).
- (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, 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, 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).

Declarations under Rule 4.17:

— *of inventorship (Rule 4.17(iv))*

Published:

— *with international search report (Art. 21(3))*

(54) **Title:** STABLE EMULSIONS OF POLYISOBUTENE AND THEIR USE

(57) **Abstract:** The invention relates to an aqueous polyisobutene emulsion comprising : 1 %wt. to 65 %wt., based on the total weight of said emulsion, of polyisobutene, - at maximum 5 %wt., based on the total weight of said emulsion, of at least one surfactant, and - optionally 1 %wt. to 65 %wt., based on the total weight of said emulsion, of at least one wax and/or oil, complemented with water to 100 %wt., whereby the average particle size of said polyisobutene emulsion is not greater than 100 µm. The present invention also relates to the use of such an emulsion.



WO 2014/012884 A1