



(51) International Patent Classification:

C01B 32/15 (2017.01) C01B 32/05 (2017.01)

C01B 32/182 (2017.01) C01B 32/20 (2017.01)

(21) International Application Number:

PCT/US2022/039733

(22) International Filing Date:

08 August 2022 (08.08.2022)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

63/230,450 06 August 2021 (06.08.2021) US

(71) Applicant: DRYMAX GLOBAL LLC [US/US]; 13700 Veterans Memorial Hwy, Winston, Georgia 30187 (US).

(72) Inventors: DUMITRAS, Alan; c/o DryMax Global LLC, 13700 Veterans Memorial Hwy, Winston, Georgia 30187 (US). VALE, Recharlis Souza Do; c/o DryMax Global LLC, 13700 Veterans Memorial Hwy, Winston, Georgia 30187 (US). SOTO, Matias; c/o DryMax Global LLC, 13700 Veterans Memorial Hwy, Winston, Georgia 30187 (US).

(74) Agent: THOMPSON, Adam J.; 3343 Peachtree Road, N.E., 1600 Atlanta Financial Center, Atlanta, Georgia 30326 (US).

(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, CV, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, 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, SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, 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, ST, 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).

(54) Title: HYDROPHOBIC ADMIXTURE AND PROCESSES FOR MAKING SAME

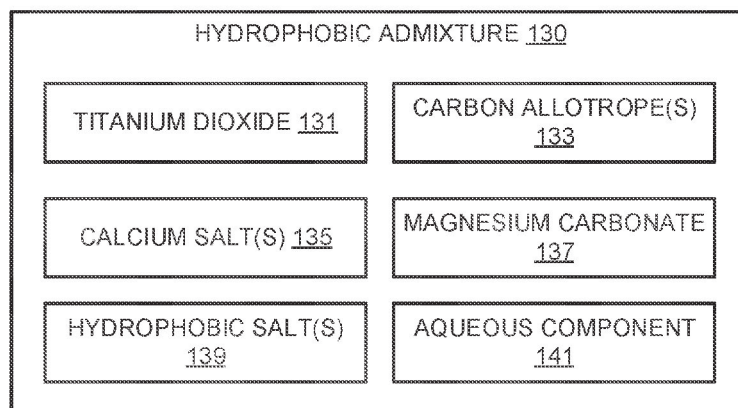


FIG. 1B

(57) Abstract: A hydrophobic admixture may include titanium dioxide at about 1-16.5 weight % (wt%) of the hydrophobic admixture. The hydrophobic admixture can include a carbon allotrope at about 1-38.5 wt% of the hydrophobic admixture. The hydrophobic admixture may include calcium salt at about 25-82.5 wt% of the hydrophobic admixture. The hydrophobic admixture may include calcium stearate at about 15-27.5 wt% of the hydrophobic admixture. The hydrophobic admixture may include magnesium carbonate at about 0-11 wt% of the hydrophobic admixture.

Published:

- *with international search report (Art. 21(3))*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*