

(12) International Application Status Report

Received at International Bureau: 16 December 2018 (16.12.2018)

Information valid as of: 25 May 2020 (25.05.2020)

Report generated on: 19 September 2020 (19.09.2020)

(10) Publication number:

WO2020/117188

(43) Publication date:

11 June 2020 (11.06.2020)

(26) Publication language:

English (EN)

(21) Application Number:

PCT/US2018/063593

(22) Filing Date:

03 December 2018 (03.12.2018)

(25) Filing language:

English (EN)

(51) International Patent Classification:

C09K 8/46 (2006.01); *C04B 28/24* (2006.01); *C04B 7/02* (2006.01); *C04B 111/00* (2006.01)

(71) Applicant(s):

HALLIBURTON ENERGY SERVICES, INC. [US/US]; 3000 N. Sam Houston Parkway E. Houston, Texas 77032-3219 (US) (*for all designated states*)

(72) Inventor(s):

RUIZ, Stephanie; 17626 Seven Pines Dr. Spring, Texas 77379 (US)

PISKLAK, Thomas Jason; 13023 Tall Forest Drive Cypress, Texas 77429 (US)

PEARL, JR., William Cecil; 30407 Aldine Westfield Road Spring, Texas 77386 (US)

JONES, Paul Joseph; 1431 W. 21st ST. Houston, Texas 77008 (US)

LEWIS, Samuel Jason; 3 Dahlia Trail Spring, Texas 77382 (US)

(74) Agent(s):

TUMEY, Corey; C. TumeY Law Group PLLC P.O. Box 890226 Houston, Texas 77062-9998 (US)

(54) Title (EN): COMPOSITE CEMENTITIOUS MATERIAL FOR CEMENT COMPOSITIONS

(54) Title (FR): MATÉRIAU CIMENTAIRE COMPOSITE POUR DES COMPOSITIONS DE CIMENT

(57) Abstract:

(EN): Disclosed herein are methods and compositions for cementing. An example method may comprise providing a cement composition. The cement composition may comprise a composite cementitious material comprising a micronized particulate solid and a monophase amorphous hydraulic binder. The micronized particulate solid may have a mean particle size of about 500 microns or less. The cement composition may further comprise water. The method may further comprise introducing the cement composition into a subterranean formation; and allowing the cement composition to set.

(FR): L'invention concerne des procédés et des compositions pour la cimentation. Un procédé illustratif peut comprendre l'utilisation d'une composition de ciment. La composition de ciment peut comprendre un matériau cimentaire composite comportant un solide particulaire micronisé et un liant hydraulique amorphe à phase unique. Le solide particulaire micronisé peut présenter une granulométrie moyenne d'environ 500 micromètres ou moins. La composition de ciment peut en outre comprendre de l'eau. Le procédé peut comprendre en outre l'introduction de la composition de ciment dans une formation souterraine et le durcissement de la composition de ciment.

International search report:

Received at International Bureau: 29 August 2019 (29.08.2019) [KR]

International Report on Patentability (IPRP) Chapter II of the PCT:

Not available

(81) Designated States:

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, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, 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, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW

European Patent Office (EPO) : 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

African Intellectual Property Organization (OAPI) : BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG

African Regional Intellectual Property Organization (ARIPO) : BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW

Eurasian Patent Organization (EAPO) : AM, AZ, BY, KG, KZ, RU, TJ, TM

Declarations:

Declaration of inventorship (Rules 4.17(iv) and 51bis.1(a)(iv)) for the purposes of the designation of the United States of America