



(51) International Patent Classification:

B08B 17/06 (2006.01) *B64D* 15/00 (2006.01)
C09D 5/16 (2006.01) *C04B* 111/20 (2006.01)
F03D 11/00 (2006.01)

(21) International Application Number:

PCT/US2011/061898

(22) International Filing Date:

22 November 2011 (22.11.2011)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

61/515,395 5 August 2011 (05.08.2011) US

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(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,

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(54) Title: DEVICES INCORPORATING A LIQUID - IMPREGNATED SURFACE

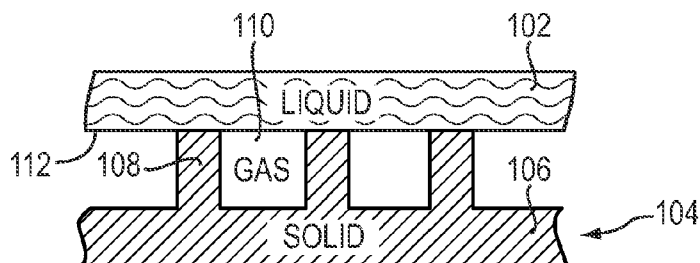


FIG. 1A

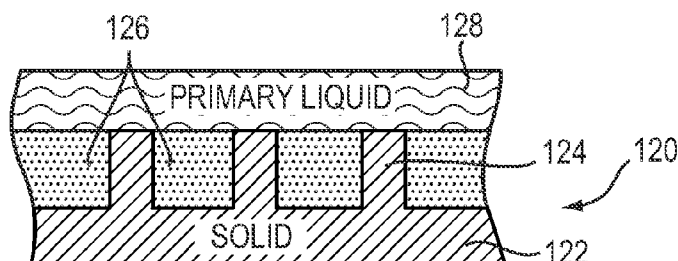


FIG. 1C

(57) Abstract: An article with a liquid-impregnated surface (120), the surface (120) having a matrix of features (124) thereupon, spaced sufficiently close to stably contain a liquid (126) therebetween or therewithin, and preferable also a thin film thereupon. The surface (120) provides the article with advantageous non-wetting properties. Compared to previous non-wetting surfaces (104), which include a gas (110) (e.g., air) entrained within surface textures (108), these liquid-impregnated surfaces (120) are resistant to impalement and frost formation, and are therefore more robust.



OM, 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, 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, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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))

(88) Date of publication of the international search report:

13 June 2013