



- (51) International Patent Classification:
C01B 31/00 (2006.01)
- (21) International Application Number:
PCT/US2014/048303
- (22) International Filing Date:
25 July 2014 (25.07.2014)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
61/958,482 27 July 2013 (27.07.2013) US
- (71) Applicant: FARAD POWER, INC. [US/US]; 428 Oakmead Parkway, Sunnyvale, CA 94085 (US).
- (72) Inventor: MITRA, Shantanu; 965 Hillsborough Blvd., Hillsborough, CA 94010 (US).
- (74) Agent: BARAN, Alexandra, J.; A. J. Baran Consulting, Inc., 555 Bryant Street, Suite 264, Palo Alto, CA 94301 (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, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, 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, 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.

- (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).

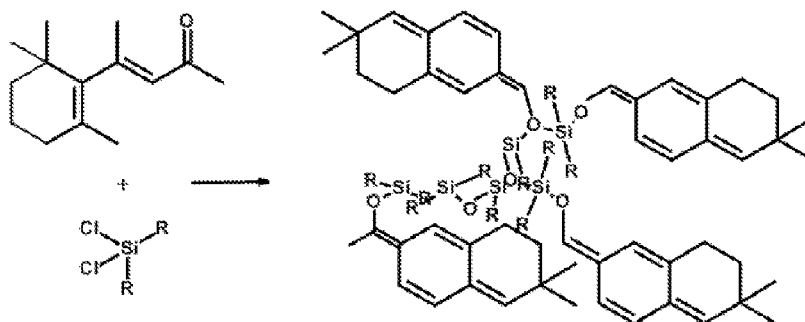
Published:

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

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

29 October 2015

- (54) Title: SOL-GEL METHOD FOR SYNTHESIS OF NANO-POROUS CARBON

FIGURE 2

- (57) Abstract: The present patent application discloses a novel sol-gel process to synthesize a nano-porous solid carbon material - suitable for use in electrodes in energy storage applications - from a combination of liquid reagents that undergo a polymerization reaction to form a matrix.