

(43) International Publication Date
23 February 2012 (23.02.2012)(10) International Publication Number
WO 2012/023904 A1

(51) International Patent Classification:

H01M 4/04 (2006.01) *B05D 5/12* (2006.01)
H01M 4/13 (2010.01) *H01M 4/58* (2010.01)
H01M 4/80 (2006.01) *H01M 10/52* (2010.01)

(21) International Application Number:

PCT/SG2011/000285

(22) International Filing Date:

19 August 2011 (19.08.2011)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

61/401,855 20 August 2010 (20.08.2010) US
 61/501,341 27 June 2011 (27.06.2011) 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, OM, PE, PG, PH, PL, PT, QA, RO, RS, RU, 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, 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,

[Continued on next page]

(54) Title: MESOPOROUS METAL PHOSPHATE MATERIALS FOR ENERGY STORAGE APPLICATION

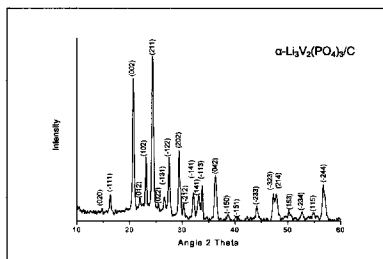
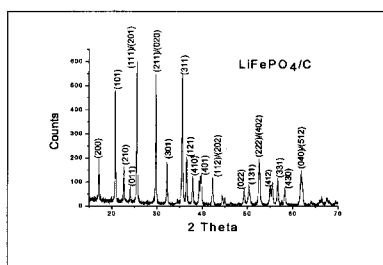


Figure 1

(57) Abstract: Mesoporous particles each including LiFePO_4 or $\text{Li}_3\text{V}_2(\text{PO}_4)_3$ crystallites and uniform coating of amorphous carbon on the surface of each of the crystallites. The crystallites have a size of 20-50 nm and the carbon coating has an average thickness of 2-7 nm. Also disclosed is a soft-template method of preparing the above-described mesoporous particles and the use of these mesoporous particles in lithium batteries.



LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, **Published:**
SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, — *with international search report (Art. 21(3))*
GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

— *of inventorship (Rule 4.17(iv))*