

(43) International Publication Date
10 March 2011 (10.03.2011)(10) International Publication Number
WO 2011/028431 A3

(51) International Patent Classification:

C02D 15/02 (2006.01) **H01M 4/48** (2010.01)
B01J8/16 (2006.01)

(21) International Application Number:

PCT/US20 10/046049

(22) International Filing Date:

20 August 2010 (20.08.2010)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

61/237,464 27 August 2009 (27.08.2009) US
12/858,048 17 August 2010 (17.08.2010) US(71) Applicant (for all designated States except US): **HONEYWELL INTERNATIONAL INC.** [US/US]; 101 Columbia Road, Morristown, New Jersey 07962 (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, 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, 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, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK,

[Continued on next page]

(54) Title: PROCESS FOR THE PREPARATION OF LITHIUM METAL OXIDES INVOLVING FLUIDIZED BED TECHNIQUES

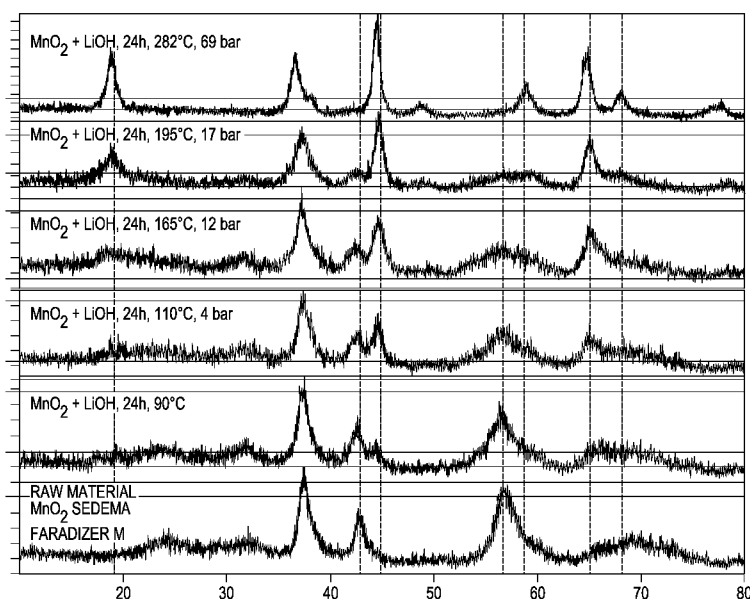


FIG. 1

(57) Abstract: A method of producing lithium metal oxides can include mixing lithium salt and a metal oxide to form a composition, heating the composition in a first reactor, transferring the composition to a second reactor, and passing the composition through the second reactor to anneal the composition to form lithium metal oxides. The second reactor can be a fluidized bed reactor. The lithium metal oxide can have an average crystal size of between about 5 microns and about 20 microns.



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

— 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))

Published:

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

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

16 June 2011

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2010/046049**A. CLASSIFICATION OF SUBJECT MATTER****COW 15/02(2006.01)i, B01J 8/16(2006.01)1, H01M 4/48(2010.01)1**

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

COID 15/02; COID 15/00; COIG 1/00; H01M 4/62; COIG 53/00; COIG 51/00; COID 1/04; H01M 4/02; H01M 4/58

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) & Keywords: lithium metal oxide, fluidized bed

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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A	US 2007-0207385 A1 (LIU et al.) 06 September 2007 See abstract ; paragraph [0029] -[0049]	1-10

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

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Date of the actual completion of the international search

25 APRIL 2011 (25.04.2011)

Date of mailing of the international search report

26 APRIL 2011 (26.04.2011)

Name and mailing address of the ISA/KR

Korean Intellectual Property Office
Government Complex-Daejeon, 189 Cheongsu-ro,
Seo-gu, Daejeon 302-701, Republic of Korea

Facsimile No. 82-42-472-7140

Authorized officer

LEE, Jin Hong

Telephone No. 82-42-481-8649



INTERNATIONAL SEARCH REPORT

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International application No.

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