

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
1 December 2005 (01.12.2005)

PCT

(10) International Publication Number
WO 2005/114811 A3

(51) International Patent Classification⁷: **H01M 10/44**,
H02J 7/00, B61C 11/00

(21) International Application Number:
PCT/US2005/017393

(22) International Filing Date: 17 May 2005 (17.05.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/572,289 17 May 2004 (17.05.2004) US

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

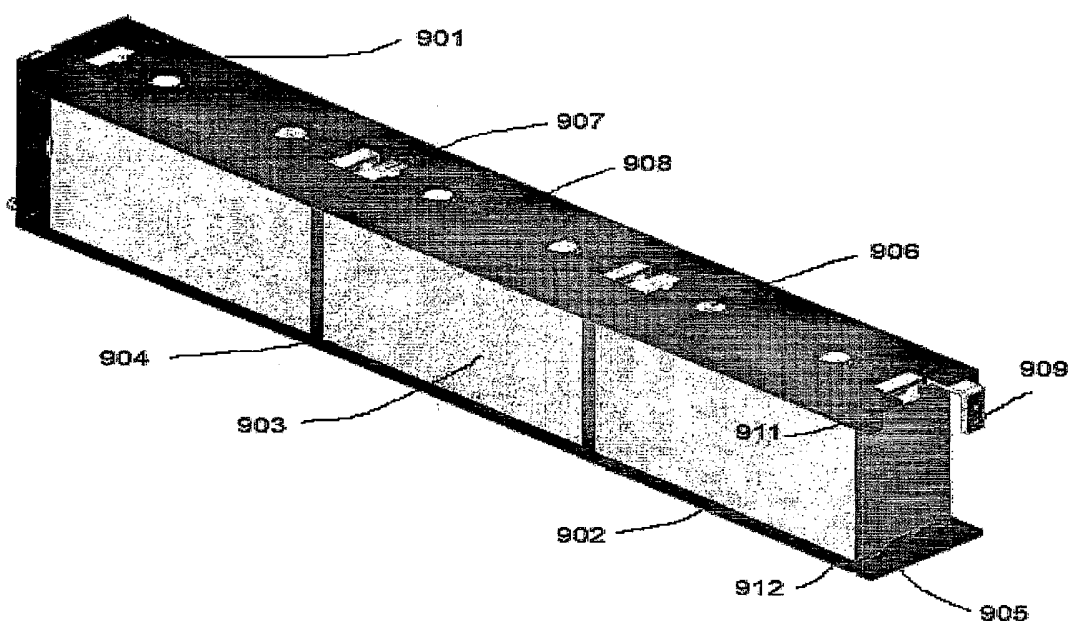
Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:
5 January 2006

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: DESIGN OF A LARGE BATTERY PACK FOR A HYBRID LOCOMOTIVE



(57) Abstract: The present invention is directed to systems for maintaining battery cell temperatures in battery packs within specified limits.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/17393

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : H01M 10/44, H02J 7/00, B61C 11/00

US CL : 320/101, 104, 150; 105/26.05, 34.2, 35,49, 50, 61.5, 73; 180/65.2, 65.3, 65.4

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)

U.S. : 320/101, 104, 150; 105/26.05, 34.2, 35,49, 50, 61.5, 73; 180/65.2, 65.3, 65.4

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

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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	GB 2005205 (KIBBLE) 22 August 1978 (22.08.1978)	1-39
A	US 5735215 (TEGELER) 7 April 1998 (07.04.1998)	1-39
Y	US 5856037 (CASALE et al) 5 January 1999 (05.01.1999), the whole disclosure	1-39
Y	US 6025086 (CHING) 15 February 2000 (15.02.2000), the whole disclosure	1-39
Y	US 6218807 B1 (SAKAUE et al) 17 April 2001 (17.04.2001), the whole disclosure	1-39
Y	US 6591758 B2 (KUMAR) 15 July 2003 (15.07.2003), the whole disclosure	1-39
Y	US 6537694 B1 (SUGIURA et al) 25 March 2003 (25.03.2003), the whole disclosure	1-39
Y	US 6678972 B2 (NARUSE et al.) 20 January 2004 (20.01.2004), the whole disclosure	1-39

☐ 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

26 September 2005 (26.09.2005)

Date of mailing of the international search report

02 NOV 2005

Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US

Commissioner for Patents

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