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(54) Title: STORAGE BATTERY ASSEMBLY

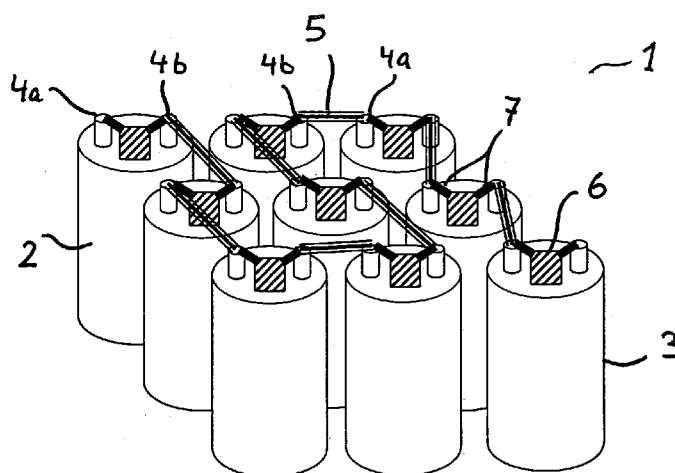


Fig. 1

(57) Abstract: The present invention relates to a storage battery assembly for vehicles comprising: a plurality of battery cells, each battery cell comprising a closed cell housing and at least one cell terminal extending from the cell housing, electric conductive bars mounted on dedicated cell terminals, said conductive bars electrically connecting battery cells, and at least one circuit board comprising electronic circuitry provided for monitoring and/or controlling of battery cells, where in the cell terminals are electrically connected to the circuit board by washers.

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NO, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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INTERNATIONAL SEARCH REPORT

International application No

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A. CLASSIFICATION OF SUBJECT MATTER

INV. H01M2/20 H01M10/42 H01M10/48

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)

H01M

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 practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/022178 A1 (ASAKA SATORU [JP] ET AL) 21 February 2002 (2002-02-21) abstract; figures 1,2,4 paragraphs [0019], [0049], [0056] -----	1,2,4, 7-9,11, 14-16
A	WO 2006/099602 A (FORD GLOBAL TECH LLC [US]; MAGUIRE PATRICK [US]; ZHU DOUGLAS [US]; PAT) 21 September 2006 (2006-09-21) the whole document -----	
A	GB 2 330 251 A (TOYOTA MOTOR CO LTD [JP]) 14 April 1999 (1999-04-14) the whole document -----	
A	FR 2 748 608 A (ACCUMULATEURS FIXES [FR]) 14 November 1997 (1997-11-14) the whole document -----	

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

* Special categories of cited documents:

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O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

Date of the actual completion of the international search

14 January 2009

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/IB2008/002011

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers allsearchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search reportcovers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

see additional sheet(s)

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- ☐ The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-5, 7-9, 11, 14-16

Storage battery assembly in which a circuit board is located between the battery cell housing and the conductive bars.

2. claims: 6, 10, 12, 13

Storage battery assembly in which a washer is used which either comprises spring legs or a helically curved plate.

3. claim: 17

Storage battery assembly in which a shunt is integrated into at least one of the conductive bars.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

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