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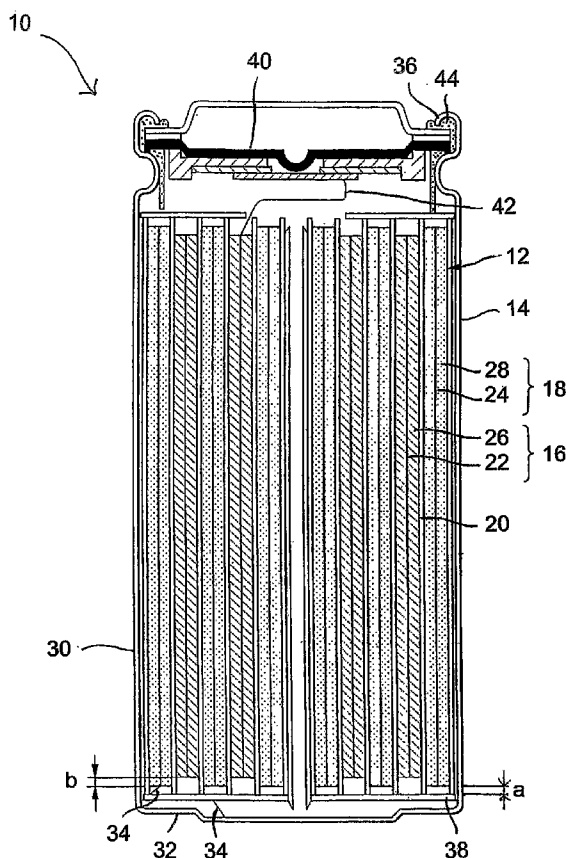
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(54) Title: SECONDARY ELECTROCHEMICAL CELL



(57) Abstract: The invention provides an electrochemical cell having a first electrode having an electrode active material containing at least one electrode active material charge-carrier, a second electrode, and an electrolyte containing at least one electrolyte charge-carrier. In the electrochemical cell's nascent state, the at least one electrolyte charge carrier differs from the at least one electrode active material charge-carrier.



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Declarations under Rule 4.17:

- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*
- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 06/11571

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) H01M 4/58; 6/18 (2007.01)

USPC 429/218.1; 323

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)

USPC 429/218.1; 323

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)

USPTO WEST - Databases: PGPB,USPT,USOC,EPAB,JPAB - Terms: non-lithium, active, intercalate, electrolyte, carrier, anode, graphite, carbonaceous, carbon, lithium, activated carbon, electrode, battery, sodium ion battery

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X — Y	US 2002/0192553 A1 (BARKER et al.) 19 December 2002 (19.12.2002) abstract, para [0183]; [0196]; [0187]; [0010]-[0013]; [0009]; [0067]-[0068]; [0047]; [0069]; [0075]; [0085]; [0012]-[0018];	1-9, 11-21 ----- 10, 22-53
Y	US 2004/0265695 A1 (BARKER et al.) 30 December 2004 (30.12.2004) para [0010]; [0012]; [0019]; [0149]; [0076]; [0078]; [0080]; [0082]; [0045]-[0051];	10, 22-53

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