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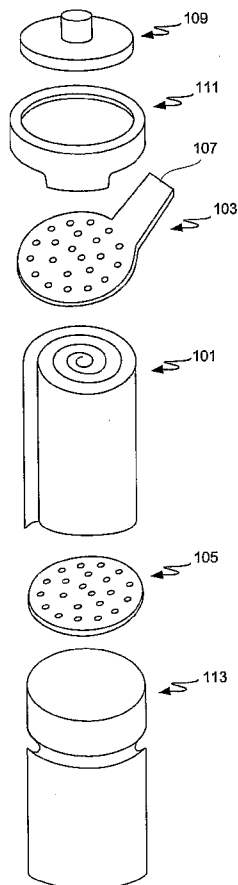
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(54) Title: NICKEL ZINC BATTERY DESIGN



(57) Abstract: Nickel zinc cylindrical battery cell designs are described. The designs provided limit dendrite formation and prevent build up of hydrogen gas in the cell. The present invention also provides low-impedance cells required by rapid discharge applications. The cylindrical battery cells may have polarity opposite of that of conventional power cells, with a negative cap and positive can. The cylindrical cells may include a gel electrolyte reservoir.

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INTERNATIONAL SEARCH REPORT

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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)

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C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2005/020353 A2 (POWERGENIX SYSTEMS [US]; PHILLIPS JEFFREY [US]; ZHAO JASON [US]) 3 March 2005 (2005-03-03) paragraphs [0009], [0033], [0040] - [0046], [0050], [0058], [0062] - [0065]; figures 4A,4B	1,2,6,7, 12,13, 15-18
Y	the whole document	3-5, 8-11,14, 19
X	US 4 327 157 A (HIMY ALBERT ET AL) 27 April 1982 (1982-04-27) claims 1,12	1
Y	column 3, line 64 - column 6, line 33; claims 1,12; example 1	3-5,14
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See patent family annex.

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No PCT/US2006/015807

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