

5508124**CONFINED BATTERY DOOR**

Gordecki Ryszard J; Tan Kian T Singapore,
SINGAPORE assigned to Motorola Inc

A removable battery door clip has opposed pivoting stubs for the door to be pivotally anchorable to a housing and at least one projection for the door to be snappably fastened with at least one retaining slot of the housing.

A lithium battery constructed of lithium ion containing folded and stacked electrochemical cells is described, having a folded continuous, flexible lithium ion containing polymer laminate electrolyte sandwiched between first and second polarity lithium containing discrete electrode plates. The first and second polarity discrete electrode plates are carried, respectively, by first and second electrical current conducting flexible polymer laminates. The assembled polymer laminates are folded and stacked, connected to current collectors and packed into a lithium battery case.

5508131**INJECTION MOLDED BATTERY CONTAINMENT FOR BIPOLAR BATTERIES**

Bowen Gerald; Andrew Michael G; Dinkelman John P Cedarburg, WI, UNITED STATES assigned to Globe-Union Inc

An injection molded containment for bipolar batteries of the type which include terminal electrodes and one or more bipolar battery cells is disclosed. In the most preferred embodiment of the present invention, a novel spacer is employed, including beveled edges to facilitate sealing of the injection molding material and the individual cells. Furthermore, the preferred spacer includes a crush ridge to assist in sealing. The present invention facilitates assembly of bipolar batteries in a way which improves sealing when compared to other techniques, such as vibration welding.

5498492**LITHIUM SECONDARY BATTERY**

Hara Michikazu; Satoh Asako; Takami Norio; Ohsaki Takahis Yokohama, JAPAN assigned to Kabushiki Kaisha Toshiba

A lithium secondary battery with a large capacity and a long cycle life is disclosed. This lithium secondary battery includes a case, a negative electrode accommodated in the case and containing a polymeric material which has been formed by heat-treating a polymer having a perynaphthalene structure as a main repeating unit in a non-oxidizing atmosphere at 500 degrees to 1000 degrees C and which absorbs and desorbs lithium ions, a positive electrode accommodated in the case and so arranged as to oppose the negative electrode with a separator sandwiched between them, and a nonaqueous electrolyte contained in the case.

LITHIUM BATTERY**5498489****RECHARGEABLE NON-AQUEOUS LITHIUM BATTERY HAVING STACKED ELECTROCHEMICAL CELLS**

Dasgupta Sankar; Jacobs James K Toronto, Ontario, CANADA

5498493**ELECTRON ACCEPTOR SUBSTITUTED CARBONS FOR USE AS ANODES IN RECHARGEABLE LITHIUM BATTERIES**

Dahn Jeffrey; Way Brian M Surrey, CANADA assigned to Moli Energy (1990) Limited

A battery using carbonaceous materials with a graphite or disordered graphite structure wherein boron atoms are substituted for carbon atoms in the structure. The electrochemical potential of the carbonaceous materials is shifted as a result of such substitution, and the