United States Patent [19]					
Koga					
[54]	יי א פדו יידי א זוכון	YEDY			
•	FLAT BAT				
[75]	Inventor:	Ryoji Koga, Kawaguchiko, Japan			
[73]	Assignee:	Kawaguchiko Seimitsu Company Limited, Yamanashi, Japan			
[21]	Appl. No.:	452,391			
[22]	Filed:	Dec. 22, 1982	Pri		
[30]	Foreign	Application Priority Data	Atı		
F	eb. 19, 1982 [JF	P] Japan 56-213908 P] Japan 57-16875 P] Japan 57-26547 P] Japan 57-31050	[57 A t cat		
[51] [52]	Int. Cl. ³ U.S. Cl		sha sta the		
[58]	Field of Sea	rch	two		
[56]		References Cited	cat		
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[11]	Patent Number:	4,487,819
[45]	Date of Patent:	Dec. 11, 1984

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Primary Examiner—Donald L. Walton Attorney, Agent, or Firm—Koda and Androlia

[57] ABSTRACT

A flat battery for use in a micro-size device, including a cathode can having a substantially U-shaped cross-section, an anode can having a substantially inverted U-shaped cross-section, an anode and cathode active substances accommodated in a battery cell constituted by the cathode and anode cans, a separator provided between the anode and cathode active substances, and an insulative film provided at an upstanding portion of the cathode can to isolate the cathode can from the anode can and the anode active substance.

26 Claims, 46 Drawing Figures

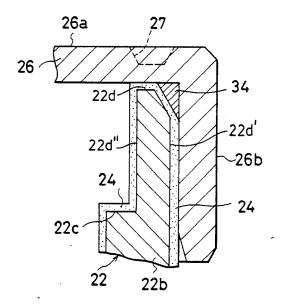




FIG. 1

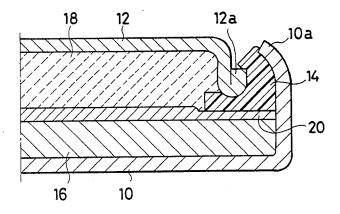


FIG.2

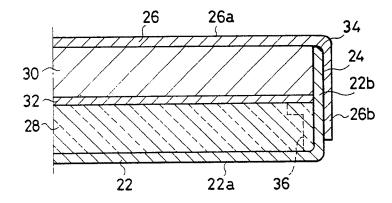


FIG.3

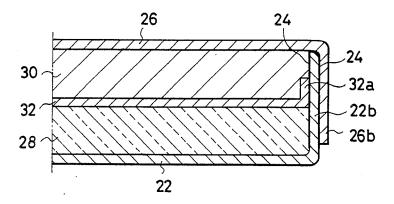


FIG.4

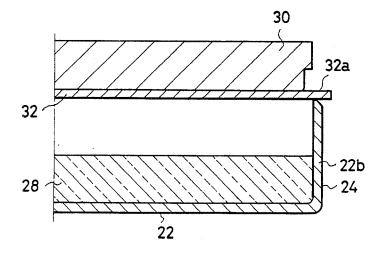


FIG.5

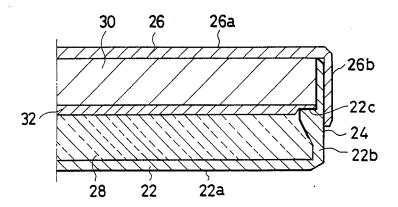


FIG.6

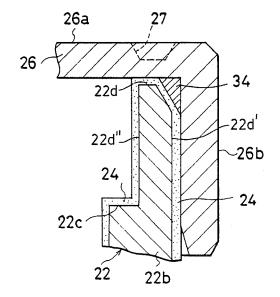


FIG.7

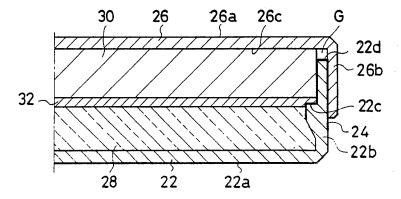
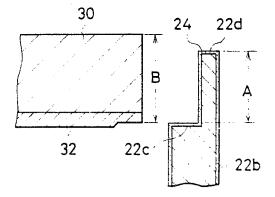


FIG.8



DOCKET

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