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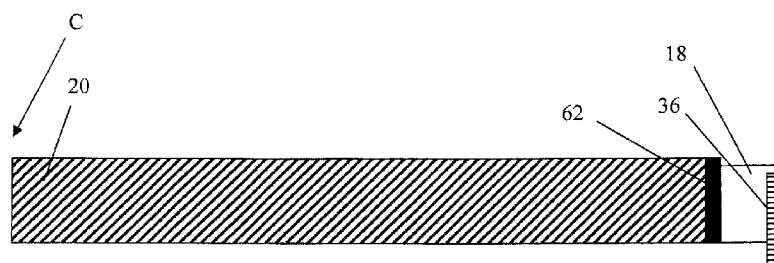


FIGURE 6B

(57) Abstract: The invention relates to primary electrochemical cells, in addition to methods for manufacturing and discharging the same, having a jellyroll electrode assembly that includes a positive electrode with a coating comprising iron disulfide deposited on a current collector situated on the outermost circumference of the jellyroll, a lithium-based negative electrode and a polymeric separator. More particularly, the invention relates to a cell design which optimizes cell capacity and substantially eliminates premature voltage drop-off on intermittent service testing by eliminating the edge effect through, for example, deliberately relieving stack pressure and/or extending the distance lithium ions proximate to the terminal end of the positive electrode must travel to undergo an electrochemical reaction in that region.