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(71) Applicant (for all designated States except US): **EVEREADY BATTERY COMPANY, INC.** [US/US]; 533 Maryville University Drive, St. Louis, Missouri 63141 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **HUANG, Weiwei** [US/US]; 4066 Brewster Drive, Westlake, Ohio 44145 (US).

(74) Agent: **BARAONA, Robert C.**; 25225 Detroit Road, Westlake, Ohio 44145 (US).

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(54) Title: LITHIUM-IRON DISULFIDE CELL DESIGN

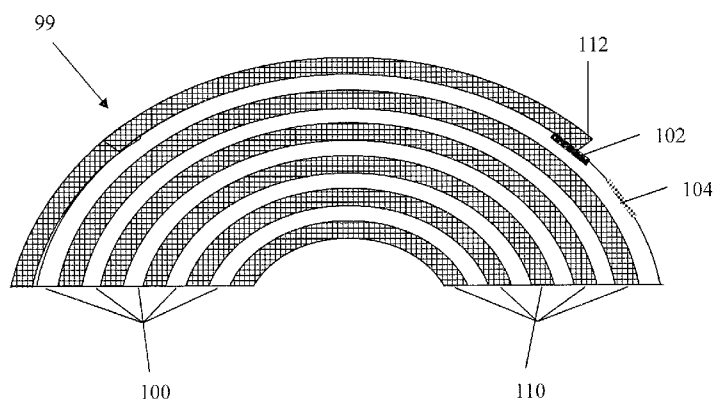


FIGURE 2C

(57) Abstract: The invention relates to primary electrochemical cells having a jellyroll electrode assembly that includes a lithium-based negative electrode, a positive electrode with a coating comprising iron disulfide deposited on a current collector 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. The resulting cell has a region of increased lithium thickness proximate to/under the terminal end of the outermost edge of the cathode strip.