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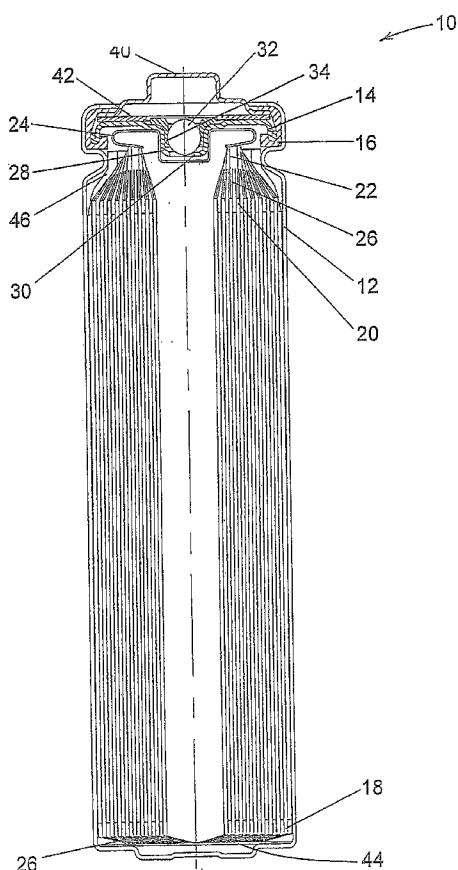
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(54) Title: LOW TEMPERATURE Li/FeS₂ BATTERY



(57) Abstract: The invention is a 1.5 volt primary electrochemical battery cell with an alkali metal lithium negative electrode (such as lithium), a positive electrode (comprising iron disulfide for example) and a nonaqueous electrolyte. The electrolyte has a solute including lithium iodide dissolved in an ether-containing solvent including a 1,2-dimethoxypropane based solvent component and no more than 30 volume percent 1,2-dimethoxyethane. When 1,2-dimethoxypropane is used to replace at least most 1,2-dimethoxyethane in the solvent, the cell provides good discharge capacity at low temperature while maintaining excellent discharge capacity at room temperature.



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