

ABSTRACT

SEPARATOR FOR BATTERY HAVING ZINC ELECTRODE

The instant invention is directed to a separator for a battery having a zinc electrode. The first embodiment of the separator comprises a microporous membrane and a coating on at least one surface of the membrane. The coating comprises a mixture of cellulose acetate and a surfactant. The surfactant has an active ingredient selected from the group of organic ethers. The second embodiment of the separator consists essentially of a microporous membrane having an effective average pore size of less than 0.045 microns, having a thickness less than 1.5 mils, having an electrical resistance of less or equal to 30 milliohms-inch², and being adapted for wetting by an aqueous electrolyte.