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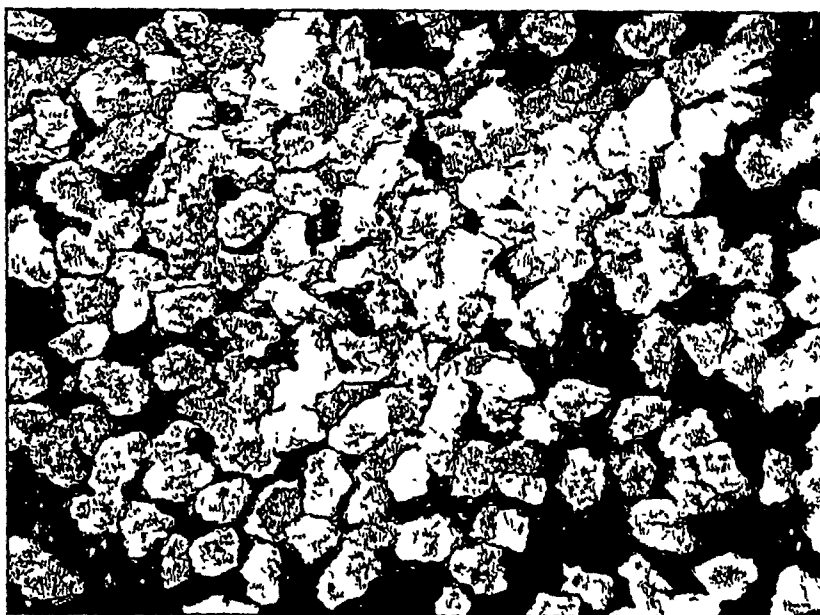
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(54) Title: ZINC ANODE MATRIX FOR RECHARGEABLE ALKALINE BATTERY



(57) Abstract: An anode paste material (10) for use in zinc-based batteries that is designed to reduce zinc ion diffusion and resultant electrode shape change as well as zinc dendrite formation while optionally allowing for hydrogen permeability through the matrix comprising a regenerated cellulose film (12) containing domains of hydrogen permeable polymer, particles of zinc and zinc oxide (20) surrounded by hydrocarbon beads (14).



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