

ABSTRACTNONAQUEOUS ELECTROLYTES

The present invention provides a nonaqueous electrolyte for use in electrochemical cells in which the electrolyte comprises a solute, such as LiCF_3SO_3 , dissolved in a mixture of a dioxolane, and an acyclic ether solvent, and wherein the weight ratio of the dioxolane-based solvent to the acyclic ether solvent is less than 45 : 55 and the volume ratio of the dioxolane-based solvent of the acyclic ether solvent is less than 40 : 60, such electrolytes being useful to prevent impedance after storage of a cell at high temperatures.

