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(54) **Title:** ELECTROCHEMICAL ELEMENT WITH CERAMIC PARTICLES IN THE ELECTROLYTE LAYER

(57) **Abstract:** A solid-stated rechargeable battery or other electrochemical element for use at high (> 40 °C) temperature comprises a cathodic and/or anodic electrode comprising, as a host material for alkali metal ions, a normal or inverse spinel type material and an electrolyte layer sandwiched between said electrodes, which layer comprises ceramic electrolyte particles that are essentially free of electronically conductive components, and which comprise less than 1% by weight of dissolved alkali containing salt thereby maintaining good performance as regards the capacities delivered during various charge/discharge cycles at a high temperature.

WO 01/80344 A1