$Na_2S_4O_8$ AS CATHODE MATERIAL FOR RECHARGEABLE SOLID STATE CELLS

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Development of low energy density, rechargeable solid state cells for miniature electronic devices has become one of the important areas od solid state research. We have observed that $Na_2S_4O_8$ can be used satisfactorily as a cathode material for rechargeable, Cu^+ - ion conducting solid state cell, $Cu/CuCl/Na_2S_2O_4$, C. A button type cell of diameter 1.3 cm and thickness of about 1 mm showed an open circuit voltage of 630 mV, a capacity of about 1.5 mWh and an energy density of about 12 mWh/cm^3. The cell has been tested for its rechargeability.

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