STUDY OF DISCHARGE CHARACTERISTICS OF THIN FILM SOLID STATE CELL, Cu/CucI:CuBr:CuI/Mg

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Thin film solid state cells based on copper ion conductors are of technological importance because they are promising candidates for cheaper microwatt batteries that can be used in microelectronic devices. Thin solid films of CuCl:CuBr;CuI mixed phase electrolyte have been formed on copper substrates by electrolytic deposition technique. Thin film solid state cells of configuration Cu/CuCl: CuBr:CuI/Mg has been fabricated and their .characteristics have been studied. The open circuit voltage of a typical cell is~1.3 V and the short circuit currentis~10 mA.. The estimated capacity of the cell is about 1.I2 mWH.

References

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