새로운 리튬금속고분자2차전지용 고분자 전해질의 전기확학적 특성에 관한 연구

이 영 기 박사

(한국전자통신연구원)



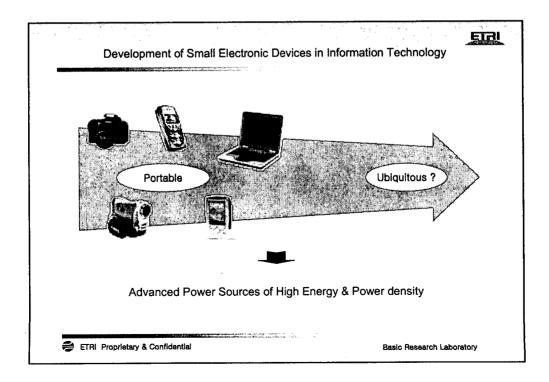
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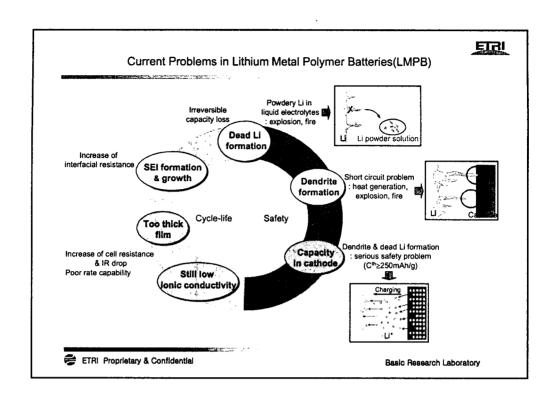
Electrochemical Characteristics of Novel Polymer Electrolytes for Lithium Metal Polymer Batteries(LMPB)

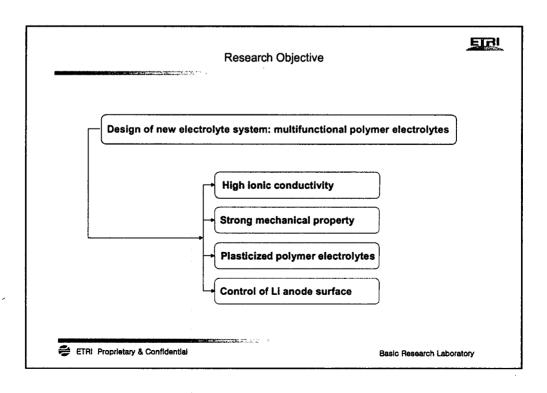


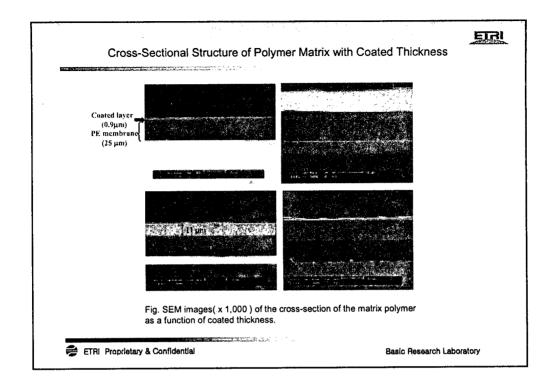
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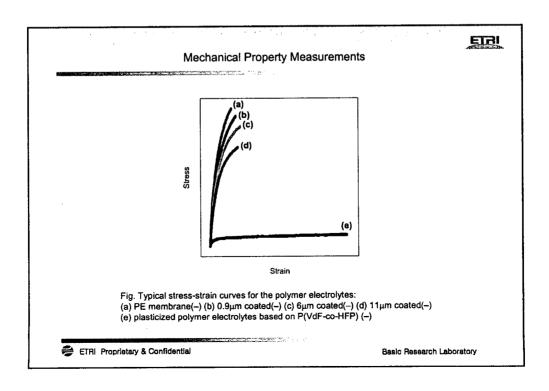
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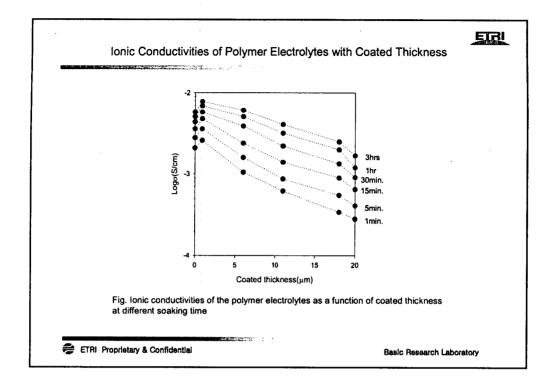


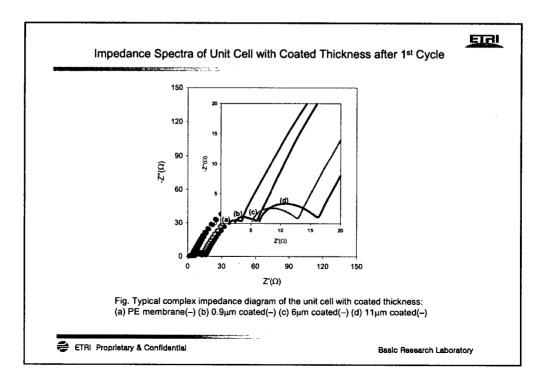


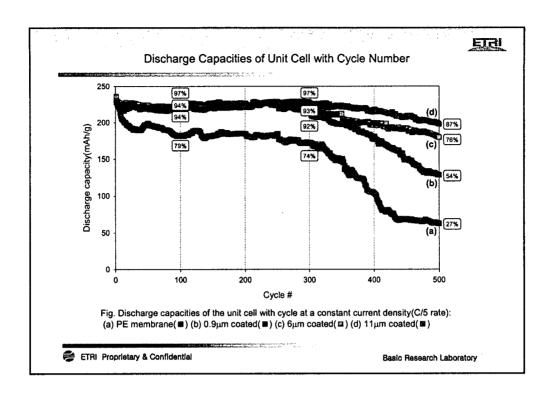


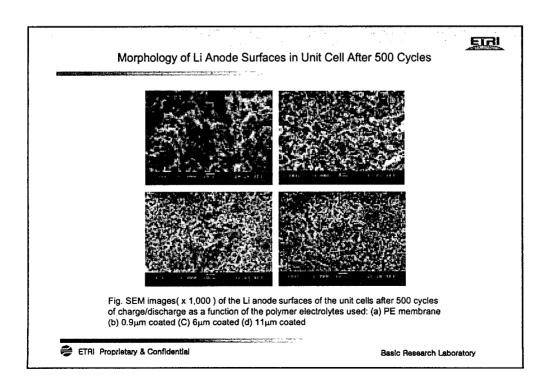












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Summary

- · Reaction site control on the Li anode surface was obtained by introduction of the sub-microporous, compatible layer in the polymer electrolytes
- · Enhancement of the mechanical strength of the polymer electrolyte film through introduction of microporous, incompatible layer
- · Significant improvement in long-term stability of the unit cell was obtained by controlling the interface between the Li anode and the polymer electrolytes

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Acknowledgement

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