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Recent Work

Title

CRADA Final Report: Characterization of Failure Modes in Lithium Metal Batteries

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CRADA Final Report
CRADA No. BG99-247(00)

1. Parties: LBNL and the United States Advanced Battery Consortium
(Identify Parties to the CRADA)
2. Title of the Project: Characterization of Failure Modes in Lithium Metal Batteries
3. Summary of the specific research and project accomplishments:
(Were the goals of the CRADA achieved? Include relevant information but do not include proprietary or protected CRADA information.)

No. Program was terminated after Task 1 due to changes in USABC goals.

4. Deliverables:

| Deliverable Achieved | Party (LBNL, Participant, Both) | Delivered to Other Party? |
|----------------------|---------------------------------|---------------------------|
| Task 1 Deliverable | LBNL | Yes |
| | | |
| | | |

5. Identify publications or presentations at conferences directly related to the CRADA?

None.

6. List of Subject Inventions and software developed under the CRADA:
(Please provide identifying numbers or other information.)

None.

7. A final abstract suitable for public release:
(Very brief description of the project and accomplishments without inclusion of any proprietary information or protected CRADA information.)

A plan was prepared to investigate the factors that controlled the growth of dendrites in lithium metal polymer batteries. Full agreement on the scope of the work could not be reached due to factors outside the control of the parties. The program was terminated as a result.

8. Benefits to DOE, LBNL, Participant and/or the U.S. economy.

None.

9. Financial Contributions to the CRADA:

| | |
|--|-----------|
| DOE Funding to LBNL | \$0 |
| Participant Funding to LBNL | \$150,000 |
| Participant In-Kind Contribution Value | \$32,000 |
| Total of all Contributions | \$182,000 |

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