

[Request Information](#)

[Permalink](#)

Cleaning Lithium to Improve Protective Layer

Tech ID: 23691 / UC Case 2009-511-0

SUMMARY

Professor Dunn and colleagues have developed a method to improve the homogeneity of a protective layer placed upon a lithium metal surface. By removing surface impurities from the lithium and applying a uniform protective layer, a more homogenous current distribution can be maintained across the electrode and dendrite formation can be suppressed.

PATENT STATUS

Country	Type	Number	Dated	Case
Japan	Issued Patent	6005938	09/16/2016	2009-511
China	Issued Patent	ZL201080009679.0	01/14/2015	2009-511
United States Of America	Issued Patent	8,703,333	04/22/2014	2009-511

CONTACT

UCLA Technology Development Group
 ncd@tdg.ucla.edu
 tel: 310.794.0558.



INVENTORS

► Dunn, Bruce S.

OTHER INFORMATION

KEYWORDS

Electrode manufacturing, lithium, cleantech

CATEGORIZED AS

- **Engineering**
 - Engineering
- **Materials & Chemicals**
 - Nanomaterials
 - Other
- **Nanotechnology**
 - Electronics

RELATED CASES

2009-511-0

ADDITIONAL TECHNOLOGIES BY THESE INVENTORS

- [Thermally Insulating Transparent Barrier \(THINNER\) coatings with high transmission, thermal and radiative resistance](#)
- [Protective Film for Lithium Electrodes](#)

Gateway to Innovation, Research and Entrepreneurship

UCLA Technology Development Group

10889 Wilshire Blvd., Suite 920, Los Angeles, CA 90095

tdg.ucla.edu

Tel: 310.794.0558 | Fax: 310.794.0638 | ncd@tdg.ucla.edu

© 2013 - 2016, The Regents of the University of California

[Terms of use](#)

[Privacy Notice](#)



