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Protective Film for Lithium Electrodes

Tech ID: 21679 / UC Case 2006-096-0

SUMMARY

An electrochemical cell includes an anode having a metal material having an oxygen containing layer. The electrochemical cell also includes a cathode and an electrolyte. The anode includes a protective layer formed by reacting a D or P block precursor with the oxygen containing layer.

PATENT STATUS

| Country | Type | Number | Dated | Case |
|---------------------------------|-----------------------|------------------|------------|----------|
| Republic Of Korea (South Korea) | Issued Patent | 10-1720660 | 03/22/2017 | 2006-096 |
| China | Issued Patent | ZL201080016126.8 | 07/22/2015 | 2006-096 |
| Republic Of Korea (South Korea) | Issued Patent | 10-1501565 | 03/05/2015 | 2006-096 |
| United States Of America | Issued Patent | 8,840,688 | 09/23/2014 | 2006-096 |
| Japan | Issued Patent | 5336363 | 08/09/2013 | 2006-096 |
| United States Of America | Published Application | 20090220857 | 09/03/2009 | 2006-096 |
| United States Of America | Published Application | 20070082268 | 04/12/2007 | 2006-096 |

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INVENTORS

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OTHER INFORMATION

CATEGORIZED AS

- Energy
- Storage/Battery

RELATED CASES

2006-096-0

ADDITIONAL TECHNOLOGIES BY THESE INVENTORS

- Cleaning Lithium to Improve Protective Layer
- Thermally Insulating Transparent Barrier (THINNER) coatings with high transmission, thermal and radiative resistance

Gateway to Innovation, Research and Entrepreneurship

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