

## Lead Acid Battery Paste Dispersant

### **Disclosure Number**

200501576

### **Technology Summary**

This invention entails the application of copolymer dispersants with a comb-like molecular architecture for use as rheological modifiers for the paste in electrochemical power storage devices (lead acid batteries). Modifiers enable or promote stable rheological behavior over a broad range of use requirements (e.g., pH, ionic strength, temperature, and time). This can contribute to the formation of thin coatings of PbO-acid battery paste on traditional (e.g. lead) and alternative electrode materials (e.g., graphite fiber weaves and graphite foam).

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