#### 工程与应用

# 嵌入式燃料电池汽车用锂离子动力电池管理系统

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分类号

# **Embedded Power Lithium-ion Battery Management System Used on Fuel Cell Hybrid Vehicle**

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#### Abstract

Power Li-ion Batteries are the assistant power source for fuel cell hybrid vehicles, so a reasonable management to the Li-ion battery is vital to the vehicle. In this paper, some function modules were analyzed based on a module thought about the vehicle performance demand, then, the hardware system and the software system which were based on the RTOS  $\mu$ C/OS-II were designed. The system has been proven to meet the demand of stability and quick responding, and it makes a pleasing effect when putting into practical.

**Key words** Embedded Fuel cell hybrid vehicle Power Li-ion battery Management system

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