

Micro Power Awarded Patent for Battery Charger Technology

Beaverton, Ore., -- Micro Power Electronics, Inc., the global leader in portable power solutions for mission-critical equipment, announced that the U.S. Patent Office awarded it a patent covering a battery charger configuration to reduce thermal conduction.

The newly issued U.S. Patent No. 7,576,513 describes a method for separating a housing containing circuit charging components from a housing containing battery charging contacts and a rechargeable battery pack for the purpose of minimizing heat transfer from the components of the battery charging circuit to the rechargeable battery pack.

This patent ensures that the battery does not receive excessive heat while charging, which extends battery pack life and minimizes the risk of battery overheating during charging.

“This innovative and novel use of a passive system architecture is not only very cost effective for our clients, but is a reliable and safe method of minimizing the heat transferred to the battery while charging,” said Ron Pitchel, Vice President of Engineering and Continuous Improvement for Micro Power. “This system performs nearly as well as the conventional approach of embedding a fan within the charger enclosure for thermal management.”

Micro Power supplies custom battery systems and solutions to the portable medical, automatic data collection, and military markets. As a pioneer in the development of lithium battery systems, smart battery packs, chargers, docking stations, and power supplies, Micro Power has more than 20 years of experience developing battery solutions within its domestic and Asian production facilities. The company is ISO 13485 and 9001:2008 certified.

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