METHOD AND SYSTEM FOR CHARGE RATE ADJUSTMENT TO ENHANCE BATTERY CYCLE LIFE

Abstract of the Disclosure

Methods and systems are disclosed for charge current adjustment to enhance battery cycle life thereby allowing batteries to be charged quickly without accelerating the aging process of the battery. As the charge capacity of the battery degrades over time, the charge current for the battery charging cycles is also reduced so that the effective charge rate for the battery is adjusted to account for the reduction in charge capacity. In this way, battery capacity life is enhanced by avoiding an accelerated charge rate as the battery capacity drops over the operational life of the battery. The methods and systems disclosed are useful for battery-powered information handling systems, as well as other devices where fast charging and long cycle life is desirable, such as cell phones, personal digital assistants (PDAs), electric vehicles and/or any other battery powered devices.

FIG. 2

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