

Invention Title:	Indication of remaining charge on the battery itself (Design improvement)
Invention Summary:	<p>Rechargeable batteries are a good technological advancement which is slowly taking over the billion dollar battery industry. The usage of rechargeable batteries have less impact on global warming, water and air pollution. However these batteries have some limitations which when improved should benefit the customers to a large extent. Current rechargeable batteries have no means to display the amount of remaining charge. This limitation can be overcome if the batteries have a small LED light on the battery itself indicating the amount of charge. Having this indication on the battery itself will allow users to put batteries on charger or in-use. Since this indication is not available today, customers face frustrations as many times they go through the complex task of installing batteries only to realize that the battery was not charged. For example, the LED on the battery can show different color light as indicated below:</p> <p>Red < 5% charged Orange < 20% charged Green > 20% charged no light = no charge</p> <p>Please see the attached picture for design.</p>
Invention Commercial Value/Customers:	Rechargeable batteries have a huge potential and innovation to make these batteries more user friendly should help in the development of this market.
Invention Differences:	Currently, rechargeable batteries have no way to show the amount of charge left in the battery.

