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(54) METHOD AND APPARATUS FOR EXECUTING A CHARGING OPERATION OF A DEVICE BATTERY

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(57) **ABSTRACT**

A method for determining charging profiles for device batteries of battery-operated devices. In one instance, the method includes selecting device batteries having the same usage-related load and the same aging state; dividing the selected device batteries into groups; assigning different charging profiles to the groups of device batteries, wherein the charging profiles indicate for a charging operation a maximum permissible charging current depending on a charge level range; operating the device batteries of all groups with the respectively assigned charging profiles for a predetermined period of time, so that charging operations are executed depending on the respectively assigned charging profile; detecting a change in the average aging state for each group of device batteries between the beginning of the predetermined time period and the end of the predetermined time period; and adjusting the charging profile depending on the change in the average aging state.