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ABSTRACT OF THE DISCLOSURE



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When a secondary battery such as a lithium ion battery, etc. requiring constant-voltage charging is charged, the battery voltage and charging current of the secondary battery are detected under a specified state, and in accord with the detected state, a voltage at which charging is carried out, the charging time or charging stop period thereof, or connecting condition of the charging circuit etc. are controlled in order to favorably charge the secondary battery to a full-charge or to a nearly full-charged state, thereby effectively preventing deterioration of characteristics of the secondary battery.