

# (19) United States

## (12) Patent Application Publication (10) Pub. No.: US 2024/0222995 A1 LIAO et al.

Jul. 4, 2024 (43) Pub. Date:

### (54) CHARGING METHOD, DEVICE, CHARGING CIRCUIT, ELECTRONIC DEVICE, AND STORAGE MEDIUM

(71) Applicant: Lenovo (Beijing) Limited, Beijing (CN)

(72) Inventors: Huosheng LIAO, Beijing (CN); Wei WEI, Beijing (CN); Haijian MA, Beijing (CN)

(21) Appl. No.: 18/465,775

(22)Filed: Sep. 12, 2023

(30)Foreign Application Priority Data

Dec. 29, 2022 (CN) ...... 202211713779.2

#### **Publication Classification**

(51) Int. Cl. H02J 7/00 (2006.01)

U.S. Cl. CPC ..... H02J 7/00712 (2020.01); H02J 7/00032 (2020.01)

#### (57)ABSTRACT

A charging method includes obtaining a target charging current, determining a target value based on the target charging current, and configuring a target parameter of a charging strategy based on the target value. The target charging current is provided to a battery by an external power supply. The charging strategy controls charging of the battery by the external power supply.

