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(43) **Pub. Date:** **Nov. 3, 2022**(54) **METHOD AND APPARATUS FOR DEEPLY DISCHARGED BATTERY DETECTION****Publication Classification**(71) Applicant: **SLING MEDIA PVT LTD**, Bangaluru (IN)(51) **Int. Cl.**  
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**G01R 31/3835** (2006.01)(72) Inventors: **Arun PK**, Bangaluru (IN); **Yashwanth Melwanki**, Bangaluru (IN)(52) **U.S. Cl.**  
CPC ..... **H02J 7/007182** (2020.01); **H02J 7/0063** (2013.01); **H02J 7/0047** (2013.01); **G01R 31/371** (2019.01); **G01R 31/367** (2019.01); **G01R 31/3835** (2019.01); **H02J 7/0031** (2013.01)(73) Assignee: **SLING MEDIA PVT LTD**, Bangaluru (IN)(21) Appl. No.: **17/865,259**(57) **ABSTRACT**(22) Filed: **Jul. 14, 2022**

Systems and processes are provided to detect a deeply discharged rechargeable battery. A process includes initiating a processor operative to perform a function within a battery-operated device, determining a first output voltage of a battery, charging the battery with a battery charger for a duration of time between three and seven seconds in response to the first output voltage being less than a cutoff voltage, rebooting the battery-operated device, determining a second output voltage of the battery, providing a user prompt indicative of battery fault in response to the second output voltage being less than the cutoff voltage, and shutting down the battery-operated device.

**Related U.S. Application Data**

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