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(54) **BATTERY MANAGEMENT SYSTEM AND RELATED METHODS**

(58) **Field of Classification Search**
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See application file for complete search history.

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(57) **ABSTRACT**

A battery management system for batteries at a geographical location may include wireless battery chargers at the geographical location for charging the batteries and wireless battery monitors at the geographical location associated with the batteries. The battery management system may also include a battery management cloud server for communicating with the wireless battery chargers and the wireless battery monitors to remotely determine a configuration of, and remotely collect charging data from, the wireless battery chargers, and remotely determine a configuration of, and remotely collect diagnostic measurement data for, the batteries based upon the wireless battery monitors. The battery management cloud server may also remotely process the collected charging data and diagnostic measurement data based upon the determined configurations of the batteries and the battery chargers.

(51) **Int. Cl.**

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CPC **H02J 50/40** (2016.02); **H02J 7/0022** (2013.01); **H02J 7/0027** (2013.01); **H02J 7/025** (2013.01); **H02J 13/0003** (2013.01); **H02J 50/10** (2016.02); **H02J 50/80** (2016.02)

20 Claims, 6 Drawing Sheets

