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(54) **METHOD, APPARATUS, AND SYSTEM FOR LITHIUM ION BATTERY RECYCLING**

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ABSTRACT

The present application provides a system and method for discharging and processing of lithium ion batteries to extract one or more metals. The extracted metals are in a powder form that can be reused at second stage processing facilities. The extracted metal powder can include lithium and at least one of cobalt, nickel, manganese, and carbon.

