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(54) Title: AN APPARATUS AND A METHOD FOR SEPARATION OF GRAPHITE AND BLACK MASS FROM SPENT LITHIUM-ION BATTERIES

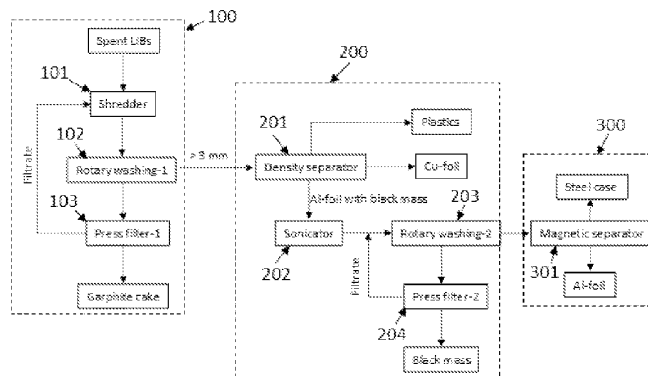


Figure 1

(57) Abstract: The present invention relates to an apparatus and a method for separation of graphite and black mass from spent lithium-ion batteries. The present invention provides an economical, clean and green method for separation of graphite and black mass from spent lithium-ion batteries by simple physical operations such as wet sieving and washing with water followed by mechanical processes such as density separation, sonication and magnetic separation without generating any effluent.

[Continued on next page]

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