

ABSTRACT

There is provided a method for recovering valuable materials from lithium ion secondary batteries, which includes:
a heat-treatment step of performing a heat treatment on a
5 lithium ion secondary battery to obtain a heat-treated product;
a first classification step of classifying a crushed product,
which is obtained by crushing the heat-treated product, at a
classification point of 600 μm or greater and 2,400 μm or less
to obtain a coarse-particle product 1 and a small-particle
10 product; a grinding step of grinding the small-particle product
to obtain a ground product; a second classification step of
classifying the ground product at one or more classification
points that are smaller than the classification point of the
first classification step and are 75 μm or greater and 1,200 μm
15 or less to obtain a coarse-particle product 2 and a fine-
particle product 1; and a magnetic separation step of sorting
the fine-particle product 1 obtained in the second
classification step using magnetic force.

20 [FIG. 1]