

ABSTRACT

A method for recovering valuable substance, for recovering it from lithium ion secondary battery includes: thermal treatment step of thermally treating lithium ion secondary battery, to obtain thermally treated product;

5 pulverizing/classifying step of classifying pulverized product obtained by pulverizing thermally treated product, to obtain coarse and fine-grained products both containing valuable substance; water leaching step of immersing fine-grained product in water, to obtain water-leached slurry; wet magnetic sorting step of

10 subjecting water-leached slurry to wet magnetic sorting, to sort water-leached slurry into magnetically attractable materials and non-magnetically attractable material slurry; and acid leaching step of adding acidic solution to either or both of non-magnetically attractable material slurry recovered by wet magnetic sorting and non-magnetically attractable materials obtained by solid-liquid separation of non-

15 magnetically attractable material slurry, to leach non-magnetically attractable materials at pH lower than 4, followed by solid-liquid separation to obtain acid leaching liquid and acid leaching residue.

[FIG. 1]