

RECYCLING METHOD OF LITHIUM IRON PHOSPHATE BATTERY

ABSTRACT OF THE DISCLOSURE

The present application provides a recycling method of a lithium iron phosphate battery. The method comprises the following steps: i) providing a first powder comprising lithium iron phosphate battery waste; ii) removing copper and aluminum from the first powder to obtain a second powder; iii) dissolving the second powder obtained in step ii) in nitric acid to obtain a solution; iv) adding carbonic acid in the solution obtained in step iii) and separating a lithium carbonate precipitate; and v) removing a remaining solution of step iv) by vacuum distillation to obtain a ferric nitrate crystal.

(FIG.1)