

METHOD FOR PREPARING NICKEL SULFATE AQUEOUS SOLUTION FROM NICKEL-CONTAINING RAW MATERIAL

ABSTRACT

Provided herein is a method for preparing a nickel sulfate aqueous solution, comprising: (A-i) a reduction heat treatment process for thermally treating a first raw material containing nickel and lithium; (B) a first leaching process for leaching the heat-treated product produced by the reduction heat treatment process; (A-ii) a roasting process for thermally treating a second raw material containing nickel and sulfur; (C) a second leaching process for leaching the first leaching residue produced by the first leaching process and the calcine produced by the roasting process; (D) a neutralization process for neutralizing the second leached solution produced by the second leaching process; and (E) a solvent extraction process for refining nickel in the neutralized solution produced by the neutralization process.

Fig. 1