

ALL-IN-ONE NICKEL RECOVERING METHOD FOR NICKEL RECOVERY FROM RAW
MATERIALS CONTAINING NICKEL

ABSTRACT

Provided herein is a nickel recovering method, 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 calcine produced by the roasting process; (D) a neutralization process for neutralizing the second leachate produced by the second leaching process; and (E) a purification process for removing impurities contained in the neutralized solution produced by the neutralization process.

Fig. 1