

Title (en)

NICKEL POWDER PRODUCTION METHOD

Title (de)

NICKELPULVERHERSTELLUNGSVERFAHREN

Title (fr)

PROCÉDÉ DE PRODUCTION DE POUDRE DE NICKEL

Publication

**EP 3424627 A1 20190109 (EN)**

Application

**EP 17760179 A 20170303**

Priority

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Abstract (en)

Provided is a production method for maintaining the quality while keeping a high operating rate of the reaction by continuously feeding a solution, seed crystals, and hydrogen gas into a reactor to produce nickel powder, and continuously discharging the resulting powder. The method for producing nickel powder comprises feeding a nickel ammine sulfate complex solution and seed crystals into a reactor, and feeding hydrogen gas into the reactor to subject a nickel complex ion in the nickel ammine sulfate complex solution to a reduction treatment and to thereby produce nickel powder, wherein, in the reduction treatment, while the nickel ammine sulfate complex solution is being continuously fed into the reactor, a temperature inside the reactor is controlled within the range of 150 to 185 °C and the feed rate of hydrogen gas is controlled to maintain an inner pressure of the reactor in the range of 2.5 to 3.5 MPa. (149 words)

IPC 8 full level

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CPC (source: EP US)

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