

Title (en)

HYDROMETALLURGICAL PLANT FOR NICKEL OXIDE ORE AND METHOD FOR OPERATING SAID HYDROMETALLURGICAL PLANT

Title (de)

HYDROMETALLURGISCHE ANLAGE FÜR NICKELOXIDERZ UND VERFAHREN ZUM BETREIBEN DIESER HYDROMETALLURGISCHEN ANLAGE

Title (fr)

INSTALLATION HYDROMÉTALLURGIQUE POUR MINÉRAI D'OXYDE DE NICKEL ET PROCÉDÉ POUR LA CONDUITE DE LADITE INSTALLATION HYDROMÉTALLURGIQUE

Publication

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Application

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Priority

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Abstract (en)

[origin: EP2975142A1] The present invention makes it possible to increase ore throughput and improve productivity without causing a poor reaction and a decrease in operation efficiency. A hydrometallurgical plant 10 according to the present invention includes: a leaching facility 11 provided with leaching treatment tanks 11 (n) in a plurality of lines to perform a leaching treatment; a preliminary neutralization facility 12 provided with neutralization treatment tanks in two stages to perform pH adjustment of leach slurry; and a solid-liquid separation facility 13 made up of a single line to perform solid-liquid separation of leach slurry which is pH-adjusted and discharged from the preliminary neutralization facility 12, in which the preliminary neutralization facility 12 is provided with neutralization treatment tanks 12A (n) of a first stage in a plurality of lines so as to correspond to the respective leaching treatment tanks 11 (n) , and is configured such that leach slurries which are pH-adjusted in the neutralization treatment tanks 12A (n) of the first stage are merged in a neutralization treatment tank 12B of a second stage made up of a single line, and merged leach slurry is transported to the solid-liquid separation facility 13.

IPC 8 full level

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