

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

EP 2975142 A4 20161207 (EN)

Application

EP 14760507 A 20140123

Priority

- JP 2013046986 A 20130308
- JP 2014051319 W 20140123

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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CPC (source: EP US)

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Citation (search report)

- [A] US 6391089 B1 20020521 - CURLOOK WALTER [CA]
- [A] EP 2389457 A1 20111130 - INTEX RESOURCES ASA [NO]
- See references of WO 2014136487A1

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