

Abstract

**DESALTING PROCESS FOR CHLORINE-CONTAINING POWDER AND
DESALTER FOR CHLORINE-CONTAINING POWDER**

Provided is a process for efficiently desalting a chlorine-containing powder such as incineration ash, with sea water.

Desalter 1 comprises first desalting washing-solution supply apparatus 22, elution vessel 2 for forming slurry by blending first desalting washing-solution W1 with chlorine-containing powder P1; at the same time, eluting chlorine, first solid-liquid separation apparatus 3 for obtaining a first desalted cake by solid-liquid separation of slurry S1 treated in the elution vessel 2, slurry carrier device 4 for transporting slurry S1 treated in elution vessel 2 to first solid-liquid separation apparatus 3, second desalting washing-solution supply apparatus 31 for supplying second desalting washing-solution W2, for washing the first desalted cake to obtain a second desalted cake, first solution-sending apparatus 5 for sending first filtrate W3 and/or second filtrate W4 from first solid-liquid separation apparatus 3 to first desalting washing-solution supply apparatus 22, and first chlorine ion concentration monitoring apparatus 7 for monitoring the chlorine ion concentration of the first desalting washing-solution W1.

Figure 3