

ABSTRACT

SLURRY MANAGEMENT DEVICE FOR WIRE SAW

First tank 5A receives slurry waste 3; centrifugal separator 14 separates slurry 2 from slurry waste 3b from the tank 5A; second tank 5B receives solid-content-containing slurry 2 from the separator 14; slurry supply passage 26 supplies the slurry 2 from the tank 5B to fixed-abrasive wire saw 1; a controller 41 determines slurry concentration from detected values from specific gravimeter 29 and viscometer 30 incorporated in circulation passage 28 circulates the slurry 2 from the tank 5B; slurry discharge passage 33 discharges part of the slurry 2 from the tank 5B as waste slurry 31; and new slurry supply passage 38 supplies new slurry 2a to the tank 5B. Discharge of waste slurry 31 through the passage 33 and supply of new slurry through the passage 38 are conducted to maintain slurry concentration determined by the controller 41 to stipulation concentration.