

ABSTRACT

A portable mineral water acquisition device that has an internal power supply, a drive pump, and the like includes, in a portable housing: a control unit that receives electric power from a battery; the drive pump that is controlled by the control unit and uses the battery as an electric power supply; and a water purification device that softens treated water that is pumped by the drive pump and produces delicious water. The housing is composed of a box-shaped main body and a lid body. The water purification device is configured by a first water purification tank that is connected to a treated water supply pipe, provided in a single flow path that has a flow path switching valve, and includes an ion-exchange resin, a second water purification tank that includes a filter material, and a mineral addition tank that includes a mineral additive. During regeneration of the ion-exchange resin, a first flow path switching valve on the second water purification tank side is switched to a "closed" state and a second flow path switching valve on a discharge pipe side is switched to an "open" state. The first water purification tank is filled with regeneration water from the treated water supply pipe by driving force of the drive pump that is driven. The drive pump is subsequently stopped. After regeneration, the drive pump is started again. The regeneration water in the first purification tank is discharged through the discharge pipe while the treated water is introduced into the

first purification tank.