

ABSTRACT

LIQUID MATERIAL DISCHARGE MECHANISM AND LIQUID MATERIAL DISCHARGE DEVICE

The present invention is a discharge mechanism (3), provided with a drive unit (28) that moves a rod (30) back and forth and a discharge unit (29) comprising a valve sheet (45) that is in communication with a nozzle (48) and a liquid chamber (44) through which the rod (30) passes, that discharges a liquid mixed with solid particles from the nozzle (48) by separating the valve sheet (45) from the tip of the rod (30), wherein the discharge unit (29) comprises an inflow path (52) that allows the liquid mixed with solid particles to flow into the liquid chamber (44) and an outflow path (53) that allows the liquid mixed with solid particles in the liquid chamber (44) to flow out, the inflow path (52) and the outflow path (53) are connected in a V shape, the liquid chamber (44) is disposed in the valley section of the V, and the valve sheet (45) is disposed at the lower end of the V. This configuration makes it possible to prevent sedimentation and accumulation of solid particles in the circulation path within the discharge unit.

[Fig. 2].