

ABSTRACT

Problem: To provide a liquid material discharge device that allows a valve element motion to follow a rapid actuator motion without using a strong spring.

- 5 Solution: A liquid material discharge device includes: a valve stem 105 having a valve element provided at a tip portion, and a contact portion; a liquid chamber in which the valve element moves forward and backward; a nozzle communicating with the liquid chamber; a valve seat 108 having a hole via which the liquid chamber and the nozzle communicate with each other; an arm 121 that is in separable contact with the valve
- 10 stem; and a valve driving device configured to move the valve element forward to and backward from the valve seat by causing the arm 121 to pivot. The liquid material discharge device further includes a coupling device 201 that couples the valve stem 105 with the arm 121, wherein the coupling device 201 includes a pressing portion that presses the contact portion against the arm 121.

[Fig. 1]