

ABSTRACT

[Object] To provide a liquid delivery method and apparatus which can suppress generation of turbulent flows and air bubbles, can prevent the liquid from flowing unintentionally from a suction port to a discharge port, can avoid generation of chips, are hard to damage, and can satisfactorily deliver the liquid.

[Solving Means] In the liquid delivery method and apparatus for delivering a liquid by reciprocally moving a plunger in a cylinder while a selector valve is shifted in a valve chamber to change over communication of the cylinder and the valve chamber with a channel leading to a liquid tank and communication of the cylinder and the valve chamber with a channel leading to a delivery port from one to the other, the cylinder and the valve chamber are communicated with the channel leading to the liquid tank and an opening/closing valve disposed between that channel and the liquid tank is opened when the plunger is retracted, and the cylinder and the valve chamber are communicated with the channel leading to the delivery port and the opening/closing valve is closed when the plunger is advanced.

[Selected Figure] Fig. 1