

ABSTRACT

A liquid filling nozzle plate (10) is formed from a plate member provided with a large number of through-holes (11). The liquid filling nozzle plate (10) is used being attached to the lower end opening of a liquid filling tube (67). A liquid filling the liquid filling tube (67) is prevented from flowing out by the surface tension in the through-holes (11) of the liquid filling nozzle plate (10). The inner peripheral surface (13) of each through-hole (11) is provided with a circumferential projection (15) projecting in a direction in which the inner diameter of the through-hole (11) is reduced. The cross-sectional configuration of the through-holes (11) makes it possible to effectively prevent dripping of liquid from the through-holes (11).

The through-holes (51) may have an elongated slit-shaped opening configuration. In this case also, dripping of liquid from the through-holes (51) can be effectively prevented.