

ABSTRACT

INK-JET HEAD AND INK-JET PRINTING APPARATUS INCORPORATING THE SAME

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An ink-jet head reduces bubbles retained in a liquid chamber (23) and restricts growth of the bubbles, for facilitating recovery operation. Also, the ink-jet head makes a substrate (10), on which the electrothermal transducers are arranged, compact. The ink-jet head is formed by fitting the substrate (10) to an upper plate (20) formed with ink ejection openings (21), nozzle portions (22) communicated with the ink ejection openings (21) and the common liquid chamber (23), and an ink supply cylinder (24). The inner surface (26A) of the common liquid chamber (23) extending from an ink ejection opening side to an opening portion (25) and the inner surface (26B) extending from the side opposite to the ink ejection opening side to the opening portion (25) are tilted in the same direction, to dispense with a horizontally extending portion on the upper portion of the liquid chamber (23). A recessed portion (28) is formed at the outside of the peripheral wall corresponding to the inner surface (26B).