

Title (en)

Droplet ejecting head and printing apparatus

Title (de)

Tropfenausgabekopf und Druckvorrichtung

Title (fr)

Tête d'éjection de gouttelettes et dispositif d'impression

Publication

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Application

EP 12194830 A 20121129

Priority

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Abstract (en)

[origin: EP2599633A1] A droplet ejecting head is described and comprises an actuator in which multiple ink flow channels (18) and multiple partition walls (17) are alternatively arranged. The partition wall responds to an applied voltage given to an electrode formed on a surface of the partition wall and does deformation motion by which the ink in the ink flow channel is ejected from a nozzle. The ink flow channel has a rectangular cross section and an aspect ratio (vertical length h/ horizontal length w) of the cross sectional shape of the ink flow channel is 5.00 or more and less than 7.75, and a resonance frequency of the partition wall is 1.5 MHz or more.

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