

Title (en)

Ink-jet head and ink-jet printer having ink-jet head

Title (de)

Tintenstrahldruckkopf und damit versehene Druckvorrichtung

Title (fr)

Tête d'impression jet d'encre et imprimante l'utilisant

Publication

EP 1336490 B1 20081001 (EN)

Application

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Priority

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- JP 2002044626 A 20020221
- JP 2002044650 A 20020221
- JP 2002040524 A 20020218

Abstract (en)

[origin: EP1336490A2] An ink-jet head (1) has a passage unit (4) including a plurality of pressure chambers (10) each having one end connected with a nozzle (8) and the other end to be connected with an ink supply source. Each of the pressure chambers (10) is confined in each of a plurality of parallelogram regions (10x) and has an elliptical planar shape with no corner bulging in a direction to leave a line joining the one end and the other end in each of the pressure chambers (10), in a plane of the passage unit (4) where the pressure chambers (10) are arranged. The planar shape of the pressure chamber is slender along a longer diagonal line of a rhombic region, and a direction of the longer diagonal line of a rhombic region and a direction of a direction joining the one end and the other end in each of the pressure chambers (10) are substantially coincident with each other <IMAGE>

IPC 8 full level

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