

Title (en)

Ink jet printhead with an acoustic filter

Title (de)

Tintenstrahldruckkopf mit einem akustischen Filter

Title (fr)

Tête à jet d'encre comprenant un filtre acoustique

Publication

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Application

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Priority

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Abstract (en)

The invention relates to an ink jet printhead (2) having a plurality of ink channels (25) defined in a channel plate (8), wherein each ink channel comprises an ink supply path (30), an ink pressure chamber (24) and an ink passage (26), arranged for enabling ink to flow from a reservoir (6) through the ink supply path into the ink pressure chamber, to leave the pressure chamber and to flow through the ink passage to an associated nozzle (28), an electromechanical actuator (20) being operationally connected to the ink pressure chamber for pressurising the ink contained therein to produce an ink droplet ejection through the associated nozzle, wherein the ink supply path extends transversely of the ink pressure chamber. The printhead comprises an actuable element (38,43) for producing acoustic waves (D) in the ink contained in the ink supply path. Increased stability of the printhead is observed.

IPC 8 full level

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Citation (search report)

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