

Title (en)

Thermal ink jet printhead having an increased drop velocity.

Title (de)

Wärme-Tintenstrahldruckkopf mit gesteigerter Tropfengeschwindigkeit.

Title (fr)

Tête d'impression à jet d'encre thermique avec une vitesse élevée de gouttelettes.

Publication

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Application

EP 91311898 A 19911220

Priority

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Abstract (en)

A thermal ink jet printhead for ejecting and propelling ink droplets on demand is disclosed. The ink droplets travel along a flight path from orifices in the printhead toward a recording medium such as paper by momentarily heating the ink. The printhead includes at least the elongated channel that forms a straight ink flow path therethrough. The channel has an orifice at one end and an inlet at the other end for communicating with an ink reservoir. A heating element is disposed inside the channel and it has a surface that contacts the ink. A constrictor is placed in the channel near the orifice so that the velocity of the ink flow through the orifice is increased. <IMAGE>

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