

Title (en)

Ink jet recording head and ink jet recording apparatus having such head

Title (de)

Tintenstrahlaufzeichnungskopf und Tintenstrahlaufzeichnungsvorrichtung mit solchem Kopf

Title (fr)

Tête d'enregistrement à jet d'encre et dispositif d'enregistrement à jet d'encre comportant une telle tête

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Application

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Abstract (en)

The present invention provides an ink jet recording head comprising a top plate in which two groups of ink passage grooves for forming ink passages, two ink chamber frames, ink introduction passages, two rows of ink discharge ports are formed, two substrates on which a plurality of resistive heat generating elements for discharging ink are formed in correspondence to the two rows of ink discharge ports, and two elastic members for contacting under pressure and securing the substrates and the top plate for each said substrate, and wherein the junction between the substrates and the top plate forms the ink passages and the ink chambers therebetween, and further wherein a groove for isolating the ink discharge port rows from each other is formed between the ink discharge port rows and a depth of the groove is greater than depths of the ink discharge ports and the ink passages. <IMAGE>

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