

Title (en)
Ink jet recording head and method for manufacturing the same

Title (de)
Tintenstrahlaufzeichnungskopf und sein Herstellungsverfahren

Title (fr)
Tête d'enregistrement à jet d'encre et sa méthode de fabrication

Publication
EP 0693379 A2 19960124 (EN)

Application
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Priority
JP 15728794 A 19940708

Abstract (en)
An ink jet recording head is formed by the steps of dipping a cavity pattern member alternately in a solution of an electrode material and in a solution of a piezoelectric material, with a drying step interposed therebetween, to form a unitary body of the cavity pattern member and a laminate of the electric material and the piezoelectric material, and removing the cavity pattern member from the unitary body to form an ink cavity inside the laminate. The ink cavity has a circular cross-section and has a dimensional accuracy. The piezoelectric films can apply a uniform pressure for jetting of ink. A simple process for manufacturing the ink jet recording head reduces the costs thereof. <MATH>

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