

Title (en)
INK JET RECORDING HEAD AND MANUFACTURING METHOD THEREOF

Title (de)
TINTENSTRAHLDRUCKKOPF UND VERFAHREN ZUR DESSEN HERSTELLUNG

Title (fr)
TETE D'ECRITURE A JET D'ENCRE ET PROCEDE DE FABRICATION ASSOCIE

Publication
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Application
EP 99923867 A 19990602

Priority
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Abstract (en)
A recording head includes a plurality of pressure chambers (2a, 2b, 2c) communicating with a nozzle and ink supply port and having vibration walls (3a, 3b, 3c), and a plurality of piezoelectric elements (7a, 7b, 7c) having external electrodes (8a, 9a) and respectively bonded to the plurality of vibration walls. The piezoelectric element has an active region (12a) in which distortion occurs by applying a voltage between the external electrodes and inactive regions (10a, 11a) in which no distortion occurs even if a voltage is applied, and the piezoelectric element is bonded to the pressure chamber through the active region and vibration wall and the inactive regions. <IMAGE>

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Cited by
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