

Title (en)

Ink jet head and method of manufacturing ink jet head

Title (de)

Tintenstrahldruckkopf und Verfahren zur Herstellung

Title (fr)

Tête d'impression à jet d'encre et sa méthode de fabrication

Publication

EP 1005987 B1 20070905 (EN)

Application

EP 99123858 A 19991201

Priority

JP 34581698 A 19981204

Abstract (en)

[origin: EP1005987A2] An ink jet head to jet ink from a nozzle hole by applying an electric voltage to an electrode so as to deform a shape of a space forming an ink chamber, comprises two piezoelectric base plates given polarization; two non-piezoelectric base plates, wherein the ink chamber is formed by being enclosed by the two piezoelectric base plates facing each other and the two non-piezoelectric base plates facing each other; each of the two piezoelectric base plates comprising at least two lamination layers made of a piezoelectric material, wherein the two lamination layers are laminated such that the laminated surface is substantially parallel to the non-piezoelectric base plates and polarizing directions of the two lamination layers are opposite to each other; and electrodes provided on surfaces of the piezoelectric base plates and the non-piezoelectric base plates, wherein the surfaces face the ink chamber. <IMAGE>

IPC 8 full level

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CPC (source: EP)

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Cited by

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