

Title (en)

Method of manufacturing an ink jet head.

Title (de)

Verfahren zur Herstellung eines Tintenstrahldruckkopfes.

Title (fr)

Procédé de fabrication d'une tête d'impression à jet d'encre.

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Application

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- JP 740989 A 19890113
- JP 741089 A 19890113
- JP 747089 A 19890113
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- JP 918489 A 19890118
- JP 1807989 A 19890128
- JP 27579488 A 19881031
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Abstract (en)

[origin: EP0367541A2] The present invention relates to a method for manufacturing an ink jet recording head having an ink path communicated with a discharge opening, a discharge energy generating element (100) disposed in the ink path and a discharge opening plate on which the discharge opening is formed and being attached to an end surface of the ink path. The discharge opening is formed by irradiating an excimer laser (210) light on the discharge opening plate.

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Cited by

US5297331A; US5852460A; EP0931655A1; US5703631A; US5300959A; CN1067632C; US5378137A; US5417897A; EP0624471A3; US6089698A; SG92596A1; US5442384A; EP0500110A1; US5594479A; US5796415A; DE4223707A1; US5754202A; US5450113A; US5420627A; EP0495663A3; US5361087A; US5959643A; US5278584A; US5953029A; EP0564102A3; US5469199A; EP0913259A3; US6502915B1; CN1121947C; EP0629504A3; US5786832A; EP0471157A1; US5305018A; US6361145B1; US6259463B1; US6193347B1; US6193345B1; US5736998A; US5291226A; US5408738A; EP0564120A3; US5956054A; EP0739739A3; EP0538842A3; US5657539A; US5930895A; US5305015A; EP0564101A3; WO9322141A1; WO9117051A1; WO9608375A1; US6387575B2; US6583382B2; US6261742B1; US6234613B1; US8789928B2; US9283761B2; US9782970B2

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