

Title (en)
INKJET HEAD AND METHOD FOR PRODUCING INKJET HEAD

Title (de)
TINTENSTRAHLKOPF UND HERSTELLUNGSVERFAHREN FÜR EINEN TINTENSTRAHLKOPF

Title (fr)
TÊTE À JET D'ENCRE ET PROCÉDÉ DE FABRICATION DE TÊTE À JET D'ENCRE

Publication
EP 2578408 A4 20140514 (EN)

Application
EP 11789892 A 20110602

Priority
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Abstract (en)
[origin: EP2578408A1] Disclosed is an inkjet head comprising a head tip (1) wherein a plurality of channel rows having alternately arranged channels (12A, 12B) and drive walls (11A, 11B) made of piezoelectric elements are juxtaposed, openings of the channels (12A, 12B) are arranged on the front face and the rear face (1b), and the drive walls (11A, 11B) facing the channels (12A, 12B) are provided with drive electrodes (13). The rear face (1b) of the head tip (1) is provided with a single line connection electrode which extends from each channel through above the drive wall between the channels of another channel row to an end of the head tip (1), and a drive signal is applied to the drive electrode through the connection electrode to deform the drive walls (11A, 11B) and discharge the ink in the channel from a nozzle. On the rear face (1b) of the head tip (1), an insulation film (15) is provided between the drive wall surface and the connection electrode formed to pass over the drive walls of the channel row.

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• [X] EP 2119567 A1 20091118 - KONICA MINOLTA IJ TECHNOLOGIES [JP]
• [X] EP 2119566 A1 20091118 - KONICA MINOLTA IJ TECHNOLOGIES [JP]
• [A] US 2006017778 A1 20060126 - OKUNO TETSUO [JP]
• [A] JP 2009226677 A 20091008 - KONICA MINOLTA IJ TECHNOLOGIES
• See references of WO 2011152490A1

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