

Title (en)

Channel structure for an ink jet printhead

Title (de)

Tintenstrahldruckkopfkanaalstruktur

Title (fr)

Structure de canaux pour une tête d'impression à jet d'encre

Publication

EP 1078761 B1 20081029 (EN)

Application

EP 00202870 A 20000814

Priority

- EP 00202870 A 20000814
- EP 99202779 A 19990827

Abstract (en)

[origin: EP1078761A2] A channel structure for an ink jet printhead (10), comprising a channel plate (12) having a plurality of substantially equidistant ink channels (14) formed in one surface thereof, with dams (16) being left between the adjacent channels, wherein each channel (14) is covered by a portion (32) of a diaphragm (18) supported on said dams (16) and deflectable into the channel (14) by means of an actuator (28) associated therewith is characterized in that the diaphragm (18) is supported on the dams (16) through spacers (22) which define the exact width and position of the deflectable portion (32), so that larger manufacturing tolerances are allowed for the ink channels (14) in the channel plate. <IMAGE>

IPC 8 full level

B41J 2/14 (2006.01)

CPC (source: EP)

B41J 2/14274 (2013.01)

Cited by

US8106481B2; US7999368B2

Designated contracting state (EPC)

DE FR GB NL

DOCDB simple family (publication)

EP 1078761 A2 20010228; EP 1078761 A3 20010606; EP 1078761 B1 20081029

DOCDB simple family (application)

EP 00202870 A 20000814