

Title (en)
MODULAR MEMS INKJET PRINT HEAD

Title (de)
MODULARER MEMS-TINTENSTRAHLDRUCKKOPF

Title (fr)
TÊTE D'IMPRESSION À JET D'ENCRE MEMS MODULAIRE

Publication
EP 3372409 A1 20180912 (EN)

Application
EP 18159447 A 20180301

Priority
EP 17159727 A 20170307

Abstract (en)
An inkjet print head comprises a nozzle plate substrate having arranged therein an array of through holes extending from a first surface of the nozzle plate substrate to an opposite second surface of the nozzle plate substrate; and at least two inkjet print head MEMS chips, wherein each inkjet print head MEMS chip comprises at least two droplet ejection units, each droplet ejection unit comprising a liquid supply port, a pressure chamber, a liquid outlet port and an actuator for generating a pressure change in a liquid arranged in the pressure chamber. The liquid outlet port of the droplet ejection unit is in fluid communication with at least one of the through holes of the nozzle plate substrate and the at least one through hole thereby forms a nozzle of the corresponding droplet ejection unit such that upon pressure change in the liquid in the corresponding pressure chamber a droplet of the liquid is expelled through said at least one through hole.

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CPC (source: EP)
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Citation (search report)
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