

Title (en)
LIQUID EJECTION HEAD

Title (de)
FLÜSSIGKEITS-AUSSTOSSKOPF

Title (fr)
TÊTE D'ÉJECTION DE LIQUIDE

Publication
EP 4286165 A1 20231206 (EN)

Application
EP 22211303 A 20221205

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Abstract (en)

According to one embodiment, a liquid ejection head includes an actuator unit, a nozzle plate, and a diaphragm portion. The actuator unit has grooves constituting a plurality of pressure chambers and a plurality of sidewalls formed between the grooves constituting the pressure chambers. The nozzle plate is disposed to face one side of the plurality of pressure chambers. The diaphragm portion has an diaphragm wall that blocks a portion of a communication port of the pressure chamber that communicates with a common chamber of the actuator unit and forms a diaphragm aperture that is decreased in width on the one side in a depth direction of the pressure chamber.

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B41J 2002/14362 (2013.01); **B41J 2002/14491** (2013.01)

Citation (search report)

- [A] JP 2016159441 A 20160905 - SII PRINTEK INC
- [A] US 2015109373 A1 20150423 - HORIGUCHI SATOSHI [JP]
- [A] US 2020290354 A1 20200917 - SHIMOSATO MASASHI [JP]

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