

Title (en)

METHOD OF OPERATING A DROPLET EJECTION DEVICE

Title (de)

VERFAHREN ZUR OPERATION EINER TRÖPFCHENAUSSTOSSVORRICHTUNG

Title (fr)

PROCÉDÉ DE FONCTIONNEMENT D'UN DISPOSITIF D'ÉJECTION DE GOUTTELETTES

Publication

**EP 3723987 B1 20220112 (EN)**

Application

**EP 18807663 A 20181130**

Priority

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- EP 2018083175 W 20181130

Abstract (en)

[origin: WO2019115257A1] A method of operating a droplet ejection device comprising an ejection unit arranged to eject droplets of a liquid and comprising a nozzle (22) formed in a nozzle face (24), a liquid duct (16) connected to the nozzle (22), and an electro-mechanical transducer (28) arranged to create an acoustic pressure wave in the liquid in the duct (16), wherein the liquid and the material constituting the nozzle face (24) are paired such that the liquid is wetting for the nozzle face (24), characterized by a step of monitoring a parameter that represents a state of a liquid pool (30) formed on the nozzle face (24) around the nozzle (22), and a step of enabling the ejection unit to operate as long as the pool (30) is present and the monitored parameter is within a predetermined range.

IPC 8 full level

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