

Title (en)

CARTRIDGE AND ELECTROWETTING SAMPLE PROCESSING SYSTEM WITH DELIVERY ZONE

Title (de)

KARTUSCHE UND SYSTEM ZUR ELEKTROBENZUNGS-PROBENVERARBEITUNG MIT EINER ABGABEZONE

Title (fr)

CARTOUCHE ET SYSTÈME DE TRAITEMENT D'ÉCHANTILLON PAR ÉLECTROMOUILLAGE AVEC ZONE DE DISTRIBUTION

Publication

EP 3990177 A1 20220504 (EN)

Application

EP 19735515 A 20190626

Priority

EP 2019066936 W 20190626

Abstract (en)

[origin: WO2020259817A1] A cartridge, in particular a disposable cartridge, for use in an electrowetting sample processing system. The cartridge comprises a liquid input port (19') for introducing an input liquid into an internal gap of the cartridge, the input liquid providing for at least one droplet (23), directly or via a liquid separation process within the internal gap, and the internal gap comprising at least one hydrophobic surface, at least one processing zone (78) for processing samples (80) located in the processing zone (78), and a delivery zone (74) for delivering the at least one droplet (23) from the liquid input port (19') to the at least one processing zone (78). The delivery zone (74) is configured to provide a repeating pattern of interacting electrowetting force for simultaneously transporting the at least one droplet (23) within the delivery zone (74).

IPC 8 full level

B01L 3/00 (2006.01)

CPC (source: EP)

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Citation (search report)

See references of WO 2020259817A1

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