

Title (en)

MICROFLUIDIC EXTRACTION DEVICE HAVING A STABILIZED LIQUID/LIQUID INTERFACE

Title (de)

MIKROFLUIDISCHE EXTRAKTIONSVORRICHTUNG MIT STABILISierter FLÜSSIG-FLÜSSIG-SCHNITTSTELLE

Title (fr)

DISPOSITIF MICROFLUIDIQUE D'EXTRACTION A INTERFACE LIQUIDE-LIQUIDE STABILISEE

Publication

EP 2678106 A1 20140101 (FR)

Application

EP 12705683 A 20120224

Priority

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Abstract (en)

[origin: WO2012113905A1] The invention relates to a microfluidic extraction device (1) for extracting analytes of interest from a carrier liquid (P) in a solvent liquid (S), the two liquids (P, S) forming an interface (2) between micro-pillars (32) of an extraction chamber (30). According to the invention, the carrier liquid (P) forms a wetting angle T1 on the micro-pillars (31) and the lower wall (11) of the extraction chamber on the one hand, and a wetting angle T2 on the upper wall (21) on the other hand, said wetting angles complying with the relation $45^{\circ} = (T1+T2)/2 = 135^{\circ}$.

IPC 8 full level

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Citation (search report)

See references of WO 2012113905A1

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