

Title (en)

MICROFLUIDIC EXTRACTION AND REACTION DEVICE

Title (de)

MIKROFLUIDISCHE EXTRAKTIONS- UND REAKTIONSVORRICHTUNG

Title (fr)

DISPOSITIF MICROFLUIDIQUE D'EXTRACTION ET DE RÉACTION

Publication

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Application

EP 09741258 A 20090930

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Abstract (en)

[origin: WO2010037774A1] The invention relates to a microfluidic arrangement (14) for extracting and optionally processing an extract from a sample and for transferring the extract in flowable form to a microfluidic chip (12) using an extractor (30) comprising a compressible extraction chamber and at least one opening thereof, a reactor (46) that comprises a reaction chamber (62), an inlet opening that communicates with the at least one opening of the extractor (30), wherein the two openings define a flow path between the chambers, an outlet opening for fluidically connecting to the microfluidic chip (12) and a ventilation opening of the reaction chamber (62), and comprising a filter arrangement (34) installed in the flow path between the extractor (30) and the reactor (46). The invention also relates to a lab-on-a-chip system (10) comprising such a microfluidic arrangement (14) and a microfluidic chip (12) that is rigidly connected to the reactor (46).

IPC 8 full level

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Citation (search report)

See references of WO 2010037774A1

Citation (examination)

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