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(71) Applicant(s):

ETH ZÜRICH [CH/CH]; ETH transfer Rämistrasse 101 8092 Zürich (CH) *(for all designated states)*

(72) Inventor(s):

DE LANGE, Victoria; Höglerstrasse 48 8600 Dübendorf (CH)

VÖRÖS, Janos; Funkwiesenstrasse 22 8050 Zürich (CH)

HABEGGER, Marco; Riegenenstrasse 2 3552 Bärau (CH)

SCHMIDT, Marco; Neue Simplonstrasse 34 3900 Brig (CH)

(74) Agent(s):

BOLSINGER, Jens; Schulz Junghans Patentanwälte PartGmbH Großbeerenstraße 71 10963 Berlin (DE)

(54) Title (EN): DEVICE AND METHOD FOR ANALYSING LIQUID SAMPLES

(54) Title (FR): DISPOSITIF ET PROCÉDÉ POUR L'ANALYSE D'ÉCHANTILLONS DE LIQUIDES

(57) Abstract:

(EN): The invention relates to a device (1), a method, and a kit for analysing liquid samples. The device (1) comprises a sample layer (111) having a plurality of liquid permeable test sites (112) separated by a liquid impermeable barrier region (113), and an inlet part (2) comprising a plurality of inlet channels (211), which lead to respective test sites (112) of the sample layer (111), such that a flow connection between said inlet channels (211) and said respective test sites (112) is established or can be established, wherein said inlet channels (211) comprise first openings (218) and second openings (219), wherein a second surface area defined by the positions of said second openings (219) is smaller than a first surface area defined by the positions of said first openings (218). The invention further relates to a method for functionalizing a sample layer (111).

(FR): L'invention concerne un dispositif (1), un procédé et un kit pour l'analyse d'échantillons de liquides. Le dispositif (1) comprend une couche d'échantillon (111) comprenant une pluralité de sites témoins perméables aux liquides (112) séparés par une région barrière imperméable aux liquides (113) et une partie d'entrée (2) comprenant une pluralité de canaux d'entrée (211) qui conduisent à des sites témoins respectifs (112) de la couche d'échantillon (111), de sorte qu'une liaison d'écoulement entre lesdits canaux d'entrée (211) et lesdits sites témoins respectifs (112) soit établie ou puisse être établie, lesdits canaux d'entrée (211) comprenant des premières ouvertures (218) et des secondes ouvertures (219), une seconde zone de surface définie par les positions desdites secondes ouvertures (219) étant inférieure à une première zone de surface définie par les positions desdites premières ouvertures (218). L'invention concerne en outre un procédé permettant de fonctionnaliser une couche d'échantillon (111).

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Declarations:

Declaration made as to the identity of the inventor (PCT Rules 4.17(i) and 51bis.1(a)(i))

Declaration made as applicant's entitlement, as at the international filing date, to apply for and be granted a patent (Rules 4.17(ii) and 51bis.1(a)(ii)), in a case where the declaration under Rule 4.17(iv) is not appropriate