

Title (en)

MICROFLUIDIC METHODS AND APPARATUSES FOR SAMPLE PREPARATION AND ANALYSIS

Title (de)

MIKROFLUIDISCHE VERFAHREN UND VORRICHTUNGEN ZUR PROBENVORBEREITUNG UND -ANALYSE

Title (fr)

PROCÉDÉS MICROFLUIDIQUES ET DISPOSITIFS DE PRÉPARATION ET D'ANALYSE D'ÉCHANTILLONS

Publication

**EP 1904653 A4 20100414 (EN)**

Application

**EP 06787065 A 20060713**

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- US 70068905 P 20050718

Abstract (en)

[origin: WO2007011622A2] Microfluidic channels are constructed for use in preparing and/or analyzing samples. In one embodiment, a microfluidic channel receives a carrier fluid having both non-targets and targets. The non-targets are moved from the carrier fluid by diffusion and into sheathing fluids also present in the channel before contents of the carrier fluid are analyzed. In another embodiment, a microchannel delivers multiple fluid samples from an upstream portion to a downstream portion of the channel where each of the fluid samples are separated from one another by a sheathing fluid that also travels toward the downstream portion. In another embodiment, a microchannel is constructed to create multiple elongational flows in series that can align polymers from a coiled state.

IPC 8 full level

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**B01L 2200/0663** (2013.01); **B01L 2400/0487** (2013.01)

Citation (search report)

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- See references of WO 2007011622A2

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

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DOCDB simple family (application)

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