Title (en)

Microfluidic chip assembly with filtering channel

Title (de)

Mikrofluidische Vorrichtung mit Filterkanal

Title (fr)

Puce microfluidique avec canal de filtration

Publication

EP 1611955 A1 20060104 (EN)

Application

EP 04103111 A 20040701

Priority

EP 04103111 A 20040701

Abstract (en)

A microfluidic chip is provided with one or more wells (1) having one or more orifices (3) being interfaces to at least one channel (4,4') for the reception and transport of fluidic chemical and/or biological materials that may contain or form particles (7). The at least one channel (4,4') has at least two portions having different cross sectional shapes (A,B,B'), a first cross sectional shape (A) of which is being sized in a way that that some of the particles (7) are allowed to pass through and a second cross sectional shape (B,B') of which is being sized in a way that some of the particles (7) are retained, thus permitting filtering of the fluid. A method for filtering fluid chemical and biological substances is provided by the use of this microfluidic chip.

IPC 8 full level

B01L 3/00 (2006.01)

CPC (source: EP)

B01L 3/502715 (2013.01); **B01L 3/502753** (2013.01); B01L 2300/0681 (2013.01); B01L 2300/0825 (2013.01); B01L 2400/0406 (2013.01); B01L 2400/084 (2013.01)

Citation (search report)

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