

Title (en)

RECONFIGURABLE MICROFLUIDIC SYSTEMS: SCALABLE, MULTIPLEXED IMMUNOASSAYS

Title (de)

REKONFIGURIERBARE MIKROFLUIDISCHE SYSTEME: SKALIERBARE, GEMULTIPLEXTE IMMUNOASSAYS

Title (fr)

SYSTÈMES MICROFLUIDIQUES RECONFIGURABLES ET DOSAGES IMMUNOLOGIQUES MULTIPLEXÉS ÉCHELONNABLES

Publication

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Application

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Abstract (en)

[origin: WO2017019221A1] Reconfigurable microfluidic systems are based on networks of microfluidic cavities connected by hydrophobic microfluidic channels. Each cavity is classified as either a reservoir or a node, and includes a pressure port via which gas pressure may be applied. Sequences of gas pressures, applied to reservoirs and nodes according to a fluid transfer rule, enable fluid to be moved from any reservoir to any other reservoir in a system. Such systems are suitable for automated, multi-input, multi-output homogeneous assays.

IPC 8 full level

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