

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

EP 16830997 A 20160629

Priority

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- US 201514808929 A 20150724
- US 201514808933 A 20150724
- US 2016040071 W 20160629

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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CPC (source: EP)

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Citation (search report)

- [X1] US 2011120562 A1 20110526 - TAN ENQING [US], et al
- [A] WO 2008103824 A1 20080828 - CHINESE ACAD INSP & QUARANTINE [CN], et al
- [A] US 8772017 B2 20140708 - BATTRELL C FREDERICK [US], et al
- See references of WO 2017019241A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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