

Title (en)
METHODS AND SYSTEMS FOR MICROFLUIDIC PROCESSING

Title (de)
VERFAHREN UND SYSTEME ZUR MIKROFLUIDISCHEN VERARBEITUNG

Title (fr)
PROCEDES ET SYSTEMES DE TRAITEMENT MICROFLUIDIQUE

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Abstract (en)
[origin: WO03012406A1] The present invention relates to a system and method for moving samples, such as fluids, within a microfluidic system using a plurality of gas actuators (168, 170, 172) for applying pressure at different locations within the microfluidic. The system includes a substrate (130, 132) which forms a fluid network through which fluid flows, and a plurality of gas actuators (168, 170, 172) integral with the substrate (130, 132). One such actuator (168) is coupled to the network at a first location for providing gas pressure to move a microfluidic sample within the network. Another gas actuator (170) is coupled to the network at a second location for providing gas pressure to further move at least a portion of the microfluidic sample within the network. A valve (915, 216) is coupled to the microfluidic network so that, when the valve is closed, it substantially isolates the second gas actuator from the first gas actuator.

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US 6130098 A 20001010 - HANDIQUE KALYAN [US], et al

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