

Title (en)  
METHODS AND SYSTEMS FOR ENHANCED MICROFLUIDIC PROCESSING

Title (de)  
VERFAHREN UND SYSTEME FÜR EINE VERBESSERTE MIKROFLUIDISCHE VERARBEITUNG

Title (fr)  
PROCÉDÉS ET SYSTÈMES DE TRAITEMENT MICRO-FLUIDIQUE AMÉLIORÉ

Publication  
**EP 2962092 A4 20160824 (EN)**

Application  
**EP 14761250 A 20140303**

Priority  
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• US 2014020029 W 20140303

Abstract (en)  
[origin: WO2014137940A1] Methods and systems are provided for a microfluidic cartridge including a high performance actuator useful for analyte detection, labeling and analysis. Microfluidic processing systems are to carry out chemical or biochemical reactions, or sequences of reactions, with small volumes (typically between 1 microliter and 10 milliliters) of reactants and products. A microfluidic processing system can comprise a network of tubes interfaced with discrete components such as valves and sensors, or an integrated device made of plastic, glass, metal, or other materials, or a combination of materials, with components such as valves and sensors built into the device and connected by flow passageways formed in the material.

IPC 8 full level  
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Citation (search report)  
• [X] EP 0816837 A1 19980107 - CALIPER TECHN CORP [US]  
• [A] US 2004241004 A1 20041202 - GOODSON KENNETH E [US], et al  
• [A] US 2005034990 A1 20050217 - CROOKS RICHARD M [US], et al  
• [A] US 6391622 B1 20020521 - KNAPP MICHAEL [US], et al  
• See references of WO 2014137940A1

Designated contracting state (EPC)  
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