

Title (en)

VALVE ASSEMBLY FOR MICROFLUIDIC DEVICES, AND METHOD FOR OPENING AND CLOSING SAME

Title (de)

VENTILANORDNUNG FÜR MIKROFLUIDVORRICHTUNGEN UND VERFAHREN ZUM FFNEN UND SCHLIESSEN DERSELBEN

Title (fr)

ENSEMBLE DE SOUPAPE POUR DISPOSITIFS MICROFLUIDIQUES ET PROCEDE POUR OUVRIR ET FERMER CET ENSEMBLE

Publication

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Application

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- US 0322897 W 20030723
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- US 39894602 P 20020726
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Abstract (en)

[origin: WO2004011149A1] A normally open fluid manipulation valve assembly (20) and system, and a method for closing, re-opening and re-closing same. The normally open valve assembly can include a substrate (22) including a first surface, with first and second recesses (28, 30) formed in the first surface. A recessed channel (34) can be formed in the first surface. The recessed channel can extend from the first recess to the second recess and can be at least partially defined by a first deformable material (42) having a first modulus of elasticity. The valve assembly can also include an elastically deformable material (32) having a modulus of elasticity that is greater than the modulus of elasticity of the first deformable material, and an adhesive layer (44) that contacts the first surface.

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