

Title (en)  
MICRO FLUID TRANSFER SYSTEM

Title (de)  
MIKROFLUIDISCHES ÜBERTRAGUNGSSYSTEM

Title (fr)  
SYSTÈME DE TRANSFERT DE MICROFLUIDE

Publication  
**EP 2125606 A1 20091202 (EN)**

Application  
**EP 08730579 A 20080222**

Priority  
• US 2008054806 W 20080222  
• US 90313907 P 20070222

Abstract (en)  
[origin: WO2008103963A1] A micro fluid transfer system for transferring fluid within a micro-environment, wherein the micro fluid transfer system comprises: (a) an elongate body having first and second ends and an outer surface; (b) a plurality of bores formed within the elongate body, the bores extending along at least a portion of a length of the elongate body for carrying fluid therein; and (c) at least one interconnecting slot intercepting at least two of the plurality of bores within the elongate body at a strategic, pre-determined location and orientation so as to fluidly connect the at least two bores and to define a plurality of potential fluid passageways through the elongate body. The micro fluid transfer system further comprises at least one access slot intercepting one of the plurality of bores within the elongate body at a strategic, pre-determined location and orientation so that the access slot and the bore are in fluid communication with one another, the access slot further defining additional potential fluid passageways within the elongate body. The micro fluid transfer system further comprises at least one rod disposed within each of the plurality of bores, the rod being selectively positioned to define a particular pre-determined fluid passageway and subsequent fluid flow path and to manipulate and control fluid flow through the fluid flow path.

IPC 8 full level  
**B81B 3/00** (2006.01); **F04B 43/00** (2006.01)

CPC (source: EP US)  
**F04B 19/006** (2013.01 - EP US); **Y10T 29/49** (2015.01 - EP US); **Y10T 137/8593** (2015.04 - EP US); **Y10T 137/85978** (2015.04 - EP US)

Citation (search report)  
See references of WO 2008103963A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2008103963 A1 20080828**; CN 101663230 A 20100303; CN 101663230 B 20111207; EP 2125606 A1 20091202;  
JP 2010519460 A 20100603; US 2008245424 A1 20081009

DOCDB simple family (application)  
**US 2008054806 W 20080222**; CN 200880012972 A 20080222; EP 08730579 A 20080222; JP 2009551051 A 20080222; US 7213308 A 20080222