

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Jian Liu</td> <td>08/02/2004</td> </tr> <tr> <td>Carl L. Hansen</td> <td>07/30/2004</td> </tr> <tr> <td>Stephen R. Quake</td> <td>08/02/2004</td> </tr> </tbody> </table>		Name	Execution Date	Jian Liu	08/02/2004	Carl L. Hansen	07/30/2004	Stephen R. Quake	08/02/2004		
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>California Institute of Technology</td> </tr> <tr> <td>Street Address:</td> <td>1200 East California Boulevard</td> </tr> <tr> <td>City:</td> <td>Pasadena</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>91125</td> </tr> </table>		Name:	California Institute of Technology	Street Address:	1200 East California Boulevard	City:	Pasadena	State/Country:	CALIFORNIA	Postal Code:	91125
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PROPERTY NUMBERS Total: 1											
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CORRESPONDENCE DATA											
<p>Fax Number: (415)576-0300 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 303-571-4000 Email: dbwilson@townsend.com Correspondent Name: David B. Wilson Address Line 1: Townsend and Townsend and Crew LLP Address Line 2: Two Embarcadero Center, Eighth Floor Address Line 4: San Francisco, CALIFORNIA 94111-3834</p>											
ATTORNEY DOCKET NUMBER:	20174C-010530US										
NAME OF SUBMITTER:	David B. Wilson										
Total Attachments: 1 source=20174C-010530US Assignment#page1.tif											

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PATENT

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REEL: 024158 FRAME: 0969

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, **Jian Liu** of 348 South Catalina, #101, Pasadena, CA 91106; **Carl L. Hansen** of 438 South Catalina, #204, Pasadena, CA 91106; **Stephen R. Quake** of 744 Plymouth Road, San Marino, CA 91108, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: MICROFLUIDIC ROTARY FLOW REACTOR MATRIX

Filing Date: April 30, 2004

Application No.: 10/837,025; and

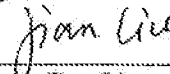
WHEREAS, **California Institute of Technology**, a corporation of the state of California, located at 1200 E. California Boulevard, Pasadena, CA 91125, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

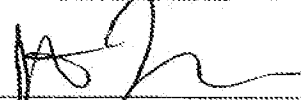
Dated: 8/2/04


Jian Liu

Dated: 7/30/04


Carl L. Hansen

Dated: 8/2/04


Stephen R. Quake