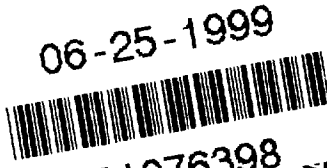


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6-22-99



06-25-1999

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RECORD SHEET  
PATENT ONLY Form PTO-1619A

File Number: E-1664

TO: The commissioner of patents and trademarks: Please record the attached original document(s) or copy(ies).

**1. SUBMISSION TYPE**

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- Resubmission
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- Correction of PTO Error
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| <input type="checkbox"/> Security Agreement    | _____    | _____    |
| <input type="checkbox"/> Name Change           | _____    | _____    |
| <input type="checkbox"/> Other                 | _____    | _____    |

**3a. PATENT OR APP. # 09/265,227**

**3b. EXECUTION DATE**

**4. CONVEYING PARTY(IES)**

- |   |   |
|---|---|
| 1. <u>Wendy D. Bennett</u> Date <u>05201999</u>     | 7. <u>Jennifer L. Ziika</u> Date <u>06151999</u>  |
| 2. <u>Peter M. Martin</u> Date <u>05261999</u>      | 8. <u>Stephen C. Schmitt</u> Date <u>05121999</u> |
| 3. <u>Dean W. Matson</u> Date <u>05201999</u>       | 9. <u>Timothy M. Werner</u> Date <u>05121999</u>  |
| 4. <u>Gary L. Roberts</u> Date <u>05241999</u>      | 10. _____ Date _____                              |
| 5. <u>Donald C. Stewart</u> Date <u>05201999</u>    | 11. _____ Date _____                              |
| 6. <u>Annalee Y. Tonkovich</u> Date <u>06101999</u> | 12. _____ Date _____                              |

**5. RECEIVING PARTY**

Name: Battelle Memorial Institute  
 Internal Address: K1-53  
 Street Address: 902 Battelle Blvd. (P.O. Box 999)  
 City: Richland State: WA Zip: 99352  
 Any additional names of conveying parties attached?  Yes  
 No

**6. CORRESPONDENT NAME AND ADDRESS**

Name: Paul W. Zimmerman (K1-53)  
 Street Address: 902 Battelle Blvd. (P.O. Box 999)  
 City: Richland State: WA Zip: 99352  
 Area Code and Telephone Number: (509) 375-2981

**7. FEE & DEPOSIT ACCOUNT #**

Method Of Payment:  
 Enclosed  Deposit Account \$ 40.00  
 Deposit Account Number: # 02-1275 (Payor No. 005055)  
 Authorization to charge additional fees:  Yes  
 No

**8. STATEMENT AND SIGNATURE**

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.

Paul W. Zimmerman Name of Person Signing  
Paul W. Zimmerman Signature  
29/JUN/99 Date

06/23/1999 HLE111 00000976 021275 09265227  
 03 FC:581 40.00 CH

A S S I G N M E N T

Wendy D. Bennett  
Peter M. Martin  
Dean W. Matson  
Gary L. Roberts  
Donald C. Stewart  
Annalee Y. Tonkovich  
Jennifer L. Zilka  
Stephen C. Schmitt  
Timothy M. Werner

to

Battelle Memorial Institute

WHEREAS we, Wendy D. Bennett of Kennewick, in the County of Benton, and State of Washington; Peter M. Martin of Kennewick, in the County of Benton, and State of Washington; Dean W. Matson of Kennewick, in the County of Benton, and State of Washington; Gary L. Roberts of West Richland, in the County of Benton, and State of Washington; Donald C. Stewart of Richland, in the County of Benton, and State of Washington; Annalee Y. Tonkovich of Pasco, in the County of Franklin, and State of Washington; Jennifer L. Zilka of Pasco, in the County of Franklin, and State of Washington; Stephen C. Schmitt of Dublin in the State of Ohio, and Timothy M. Werner of Columbus in the State of Ohio; have made certain inventions in ACTIVE MICROCHANNEL FLUID PROCESSING UNIT AND METHOD OF MAKING, described and claimed in Application Serial Number 09/265,227 filed March 8, 1999; and

WHEREAS Battelle Memorial Institute, a corporation of Ohio, organized and existing under the laws of the State of Ohio, and having a place of business in the City of Richland, Washington, is desirous of acquiring an interest in the said invention and in any patent or patents to be obtained therefor;

NOW, THEREFORE, To All Whom It May Concern, be it known that, for and in consideration of the sum of One Dollar (\$1.00) each, and other good and valuable considerations, the receipt of which is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto the said Battelle Memorial Institute, the entire right, title, and interest in and to the invention shown, described, or claimed therein, and the full and exclusive right and title to the said application; and in and to any extensions, reissues, divisions, or renewals thereof; and we do hereby authorize and request the Commissioner of Patents or other proper Officer, to issue such Letters Patent, or any of them, to the said Battelle Memorial

Institute, as the assignee of our entire right, title, and interest in and to the same for the sole use and benefit of the said Battelle Memorial Institute, and its successors or assigns.

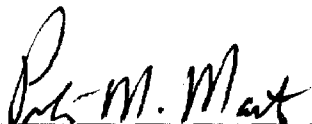
And we further covenant and agree that we will, at the request and expense of the said Battelle Memorial Institute, execute such other and further assurances of title as may be necessary or proper to fully convey the interest herein sought to be conveyed; that we will, at the request and expense of the said Battelle Memorial Institute, execute such application papers as may be desired by the said Battelle Memorial Institute, for the filing of any division or renewal of the application herein conveyed, or for reissues or extensions, of any Letters Patent that may be granted upon said application, and will execute such Supplemental Oaths and Preliminary Statements, or other papers as desired by the said Battelle Memorial Institute.

And we further assign unto the said Battelle Memorial Institute, the whole right, title, and interest to the invention disclosed in the application throughout all countries foreign to the United States, and do hereby authorize the said Battelle Memorial Institute to apply for patents therefor in its own name in countries where such procedure is proper and to claim the benefit of the International Convention and do agree to execute applications for the said invention in the several countries where it is necessary that the same be executed by the inventors, and to execute assignments of such applications and the patents to be obtained therefor to the said Battelle Memorial Institute, the assignee herein, as well as all other necessary papers.


-----  
IN TESTIMONY WHEREOF I have hereunto set my hand and affixed my seal at Richland, Washington, this 20 day of May, 1999.

  
\_\_\_\_\_  
Wendy D. Bennett

-----  
IN TESTIMONY WHEREOF I have hereunto set my hand and affixed my seal at Richland, Washington, this 26 day of May, 1999.

  
\_\_\_\_\_  
Peter M. Martin

IN TESTIMONY WHEREOF I have hereunto set my hand and affixed my seal at Richland, Washington, this 20<sup>th</sup> day of May, 1999.

  
\_\_\_\_\_  
Dean W. Matson

-----

IN TESTIMONY WHEREOF I have hereunto set my hand and affixed my seal at Richland, Washington, this 24<sup>th</sup> day of May, 1999.

  
\_\_\_\_\_  
Gary L. Roberts

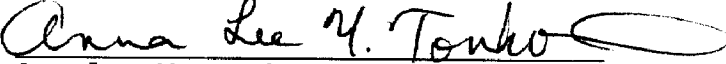
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IN TESTIMONY WHEREOF I have hereunto set my hand and affixed my seal at Richland, Washington, this 20<sup>th</sup> day of May, 1999.

  
\_\_\_\_\_  
Donald C. Stewart

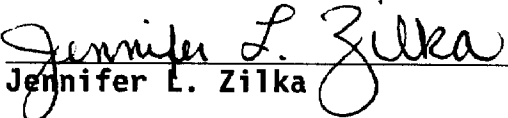
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IN TESTIMONY WHEREOF I have hereunto set my hand and affixed my seal at Richland, Washington, this 10 day of ~~May~~, 1999.  
June

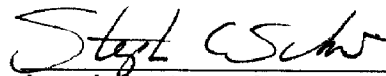
  
\_\_\_\_\_  
Annalee Y. Tonkovich

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IN TESTIMONY WHEREOF I have hereunto set my hand and affixed my seal at Richland, Washington, this 15 day of ~~May~~, 1999.  
June

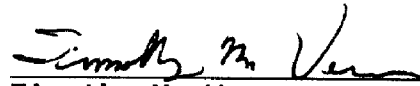
  
\_\_\_\_\_  
Jennifer L. Zilka

IN TESTIMONY WHEREOF I have hereunto set my hand and affixed my seal  
at Columbus, Ohio, this 12<sup>th</sup> day of May, 1999.

  
\_\_\_\_\_  
Stephen C. Schmitt

-----

IN TESTIMONY WHEREOF I have hereunto set my hand and affixed my seal  
at Columbus, Ohio, this 12<sup>th</sup> day of May, 1999.

  
\_\_\_\_\_  
Timothy M. Werner