

102789758

OVER SHEET

U.S. Department of Commerce Patent and Trademark Office

Attorney Docket No.: UM-08280

PATENT

**NLY** 

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Mark A. Burns Rohit Pal

Additional name(s) of conveying party(ies) attached? No

3. Nature of conveyance:

Assignment

Execution Date: 06/14/04, 06/14/04

2. Name and address of receiving party(ies):

The Regents of the University of Michigan 3003 S. State Street Ann Arbor, Michigan, 48109-1208

Additional name(s) & address(es) attached? No

Patent No.(s):

4. Title of Invention: Thermal Micro-Valves for Micro-Integrated Devices

Application number(s) or patent number(s):

A. Patent Application No.(s):

10/696,889

Additional numbers attached? No

5. Name and address of party to whom correspondence concerning document should be mailed:

Peter G. Carroll Medlen & Carroll, LLP 101 Howard Street, Suite 350 San Francisco, California 94105

67/08/2004 HVUONG1 00000003 10696889

D2 FC:8021

40.00 D

6. Total number of applications and patents involved: 1

7. Total fee(s):

B.

Check(s) in the amount of \$580 enclosed (\$65 surchagre, \$40 recordation, \$475 extension of time).

8. Deposit Account Authorization:

The Commissioner is hereby authorized to charge any additional fees or credit any overpayment to Deposit Account No. 08-1290. An originally executed duplicate of this transmittal is enclosed for this purpose.

## DO NOT USE THIS SPACE

9. 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.

Date: July 2, 2004

Signature: Kanus College

Name: Thomas C. Howerton

Reg. No.: 48,650

Total number of pages including cover sheet, attachments, and document: 3

PATENT REEL: 015546 FRAME: 0648

**PATENT** 

Attorney Docket No.: UM-08280

## ASSIGNMENT

WHEREAS, WE, Mark A. Burns and Rohit Pal, hereinafter referred to as "ASSIGNOR", have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: Thermal Micro-Valves for Micro-

**Integrated Devices** 

Filing Date: 10/30/03 Serial No.: 10/696,889

WHEREAS, The Regents of the University of Michigan, a Michigan corporation, 3003 S. State Street, Ann Arbor, Michigan, 48109-1208, hereinafter referred to as "ASSIGNEE", is desirous of acquiring the entire right, title and interest in said invention and application and in any Letters Patent which may be granted on the same;

NOW THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for and in consideration of the sum of One Dollar (\$1.00) lawful money paid to ASSIGNOR by ASSIGNEE and other good and valuable consideration, receipt of which is hereby acknowledged, ASSIGNOR has sold, assigned and transferred, and by these presents does sell, assign and transfer unto said ASSIGNEE, and ASSIGNEE's successors and assigns, all right, title and interest in and to said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world including any divisions, renewals, continuations in whole or in part, substitutions, conversions, reissues, prolongations or extensions thereof, said interest to be held and enjoyed by said ASSIGNEE as fully and exclusively as it would have been held and enjoyed by said ASSIGNOR had this assignment and transfer not been made, to the full end and term of any Letters Patent.

ASSIGNOR further agrees that ASSIGNOR will, without charge to said ASSIGNEE, but at ASSIGNEE's expense, cooperate with ASSIGNEE in the prosecution of said application and/or applications; execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof; and will perform such other acts as ASSIGNEE lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said ASSIGNEE, or ASSIGNEE's successors and assigns.

IN TESTIMONY WHEREOF, ASSIGNOR has hereunto signed ASSIGNOR's names to this assignment on the date indicated

SUSAN E. HAMLIN

Notary Public, Wayne County, MI

My Commission Expires Nov. 28, 2005

RECORDED: 07/08/2004

NOTARY PUBLIC

**SEAL** 

PATENT REEL: 015546 FRAME: 0649