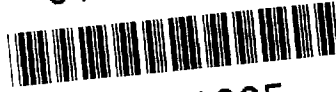


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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original document or copy thereof.

1. Names of conveying parties:

- 1) CHIDAMBARAM RAGHAVAN
- 2) EDMUND Y. TING
- 3) BRUCE M. SCHUMAN
- 4) MOHAMED A. HASHISH
- 5) _____
- 6) _____

Additional names of conveying parties attached? Yes No

2. Name and address of receiving party:

Name: FLOW INTERNATIONAL CORPORATION

Internal Address: _____

Street Address: 23500 64TH AVENUE SOUTH

City: KENT State WA

Zip: 98032

Additional names & addresses attached? Yes No

3. Nature of conveyance:

Assignment Merger

Security Agreement Change of Name

Other _____

Execution Dates:

- 1) NOVEMBER 1, 2001 4) NOVEMBER 1, 2001
- 2) OCTOBER 30, 2001 5) _____
- 3) NOVEMBER 1, 2001 6) _____

4. Application number(s) or registration number(s):

If this document is being filed together with a new application, the filing date of the application is _____ 4

A. Patent Application No(s).

09/883,090

Additional numbers attached? Yes No

B. Patent No(s).

Additional numbers attached? Yes No

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

Name: Seed Intellectual Property Law Group PLLC

Internal Address: Lorraine Linford

Street Address: 701 Fifth Avenue, Suite 6300

City: Seattle State: WA ZIP: 98104-7092

6. Total number of applications and patents involved..... 1

7. Total Fee (37 CFR 3.41): \$40

Enclosed

Authorized to be charged to deposit account

8. Deposit account number:

19-1090

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.

LORRAINE LINFORD
Name of Person Signing

Signature

11/9/01
Date

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

ASSIGNMENT

WHEREAS, we, Chidambaram Raghavan, Edmund Y. Ting, Bruce M. Schuman, and Mohamed A. Hashish (hereinafter referred to as ASSIGNORS), having post office addresses of 20813 126th Avenue S.E., Kent, Washington 98031; 23642 123rd Place S.E., Kent, Washington 98031; 11717 S.E. 203rd Street, Kent, Washington 98031; and 5117 165th Place S.E., Bellevue, Washington 98006, respectively, are the joint inventors of an invention entitled "METHOD AND APPARATUS FOR CHANGING THE TEMPERATURE OF A PRESSURIZED FLUID," as described and claimed in the specification for which an application for United States letters patent was filed on June 15, 2001, and assigned Application No. 09/883,090.

WHEREAS, Flow International Corporation (hereinafter referred to as ASSIGNEE), a corporation of the State of Washington having a place of business at 23500 64th Avenue South, Kent, Washington 98032, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer and sale not been made. ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of applications for United

States and foreign letters patent on said invention, for litigation regarding letters patent, or for the purpose of protecting title to said invention or letters patent therefor.

November 1, 2001
Date

Chidambaram Raghavan
Chidambaram Raghavan

State of WASHINGTON)
County of KING)

ss.

I certify that I know or have satisfactory evidence that Chidambaram Raghavan is the person who appeared before me, and said person acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.



Dated November 1, 2001

Signature of Notary Public Jean Bolton

Printed Name Jean Bolton

My appointment expires January 9, 2005

October 30, 2001
Date

Edmund Y. Ting
Edmund Y. Ting

State of WASHINGTON)
County of KING)

ss.

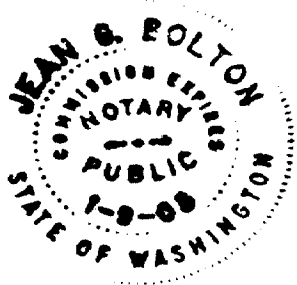
I certify that I know or have satisfactory evidence that Edmund Y. Ting is the person who appeared before me, and said person acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.

Dated October 30, 2001

Signature of Notary Public Jean Bolton

Printed Name Jean Bolton

My appointment expires January 9, 2001



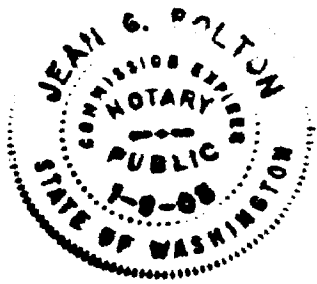
November 1, 2001
Date

Bruce M Schuman
Bruce M. Schuman

State of WASHINGTON)
County of KING)

ss.

I certify that I know or have satisfactory evidence that Bruce M. Schuman is the person who appeared before me, and said person acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.



Dated November 1, 2001

Signature of Notary Public Jean Bolton

Printed Name Jean Bolton

My appointment expires January 9, 2005

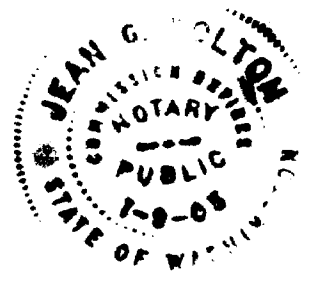
November 1, 2001
Date

Mohamed A. Hashish
Mohamed A. Hashish

State of WASHINGTON)
County of KING)

ss.

I certify that I know or have satisfactory evidence that Mohamed A. Hashish is the person who appeared before me, and said person acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.



Dated November 1, 2001

Signature of Notary Public Jean Bolton

Printed Name Jean Bolton

My appointment expires January 9, 2005

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