

PATENT ASSIGNMENT

Electronic Version v07
 Stylesheet Version v02

SUBMISSION TYPE:	NEW ASSIGNMENT
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NATURE OF CONVEYANCE:	ASSIGNMENT OF ASSIGNOR'S INTEREST
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CONVEYING PARTY DATA

Name	Execution Date
Murray J Height	2003-04-01
Eun Young Hwang	2003-04-02
Timothy J Prestero	2003-04-01

RECEIVING PARTY DATA

Name	Street Address	Internal Address	City	State/Country	Postal Code
Massachusetts Institute of Technology	77 Massachusetts Avenue		Cambridge	MASSACHUSETTS	02139

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number	10408418

CORRESPONDENCE DATA

FAX NUMBER: 781-401-9966
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

When the customer number has been provided, the Office of Public Records will obtain the correspondence data from the official record on file at the USPTO.

CUSTOMER NUMBER: 022494

NAME OF PERSON SIGNING:	Christopher S. Daly
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DATE SIGNED:	2003-09-02
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Total Attachments: 6
 source=mit-124aus assign12.tif
 source=mit-124aus assign13.tif
 source=mit-124aus assign14.tif
 source=mit-124aus assign15.tif
 source=mit-124aus assign16.tif
 source=mit-124aus assign11a.tif

CH \$40.00 500845 10408418

5. Bind my heirs, legal representatives and assigns, as well as myself, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to me or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by me, my heirs, legal representatives and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to me relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples and other physical exhibits in my control or in the control of my heirs, legal representatives or assigns which may be useful for establishing the facts of my conceptions, disclosures, and reduction to practice of said inventions and discoveries.

In testimony of which we have executed this Assignment as an instrument under seal on the date indicated next to my name.

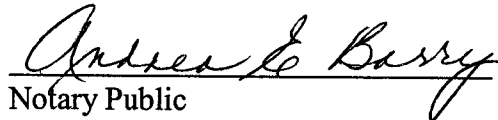
State or Commonwealth of Massachusetts

County Middlesex

Dated April 1, 2003


Murray J. Height

On this 1st day of April, 2003, before me appeared Murray J. Height, to me known and known to me as the person described in and who executed the foregoing instrument, and he/she acknowledged the same to be his/her free act and deed.


Notary Public

ANDREA E. BARRY
Notary Public
My Commission Expires
August 30, 2007

State or Commonwealth of _____

County _____

Dated _____

Eun Young Hwang

On this _____ day of _____, 2003, before me appeared Eun Young Hwang, to me known and known to me as the person described in and who executed the foregoing instrument, and he/she acknowledged the same to be his/her free act and deed.

Notary Public

State or Commonwealth of Massachusetts

County Middlesex

Dated April 1, 2003

Timothy J. Pretero
Timothy J. Pretero

On this 1st day of April, 2003, before me appeared Timothy J. Pretero, to me known and known to me as the person described in and who executed the foregoing instrument, and he/she acknowledged the same to be his/her free act and deed.

Andrea E. Barry
Notary Public

Q:\mit\124aus (9741&9756 - Height et al)\mit-124aus Assignment.doc

ANDREA E. BARRY
Notary Public
My Commission Expires
August 30, 2007

A S S I G N M E N T

Whereas we, the undersigned, Murray J. Height, Eun Young Hwang and Timothy J. Prestero, hereby have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled APPARATUS FOR FLOW RATE CONTROL, identified as Attorney Docket No. MIT-124AUS and Client Case No. 9756 which application was executed on April 1, 2003, April 2, 2003 and April 1, 2003 and filed on April 7, 2003 and Assigned Application No.10/408,418. In the event that the execution date, filing date and/or Application No. are not entered above at the time we executed this document, and if such information is deemed necessary, we hereby authorize and request our attorneys at Daly, Crowley & Mofford, LLP, 275 Turnpike Street, Suite 101, Canton, MA 02021-2310, to insert above the execution date, filing date and/or Application No. of said application.

Whereas, MASSACHUSETTS INSTITUTE OF TECHNOLOGY, a Massachusetts corporation having a place of business at 77 Massachusetts Avenue, Cambridge, Massachusetts 02139, and which, together with its successors and assigns, is hereinafter called "Assignee," is desirous of acquiring the title, rights, benefits and privileges hereinafter recited;

Now, therefore, for valuable consideration furnished by Assignee to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservation:

1. Assign, transfer and convey to Assignee the entire right, title and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation, reissue, re-examination and Convention applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues, reexaminations, and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications and said Letters Patent;

2. Authorize Assignee to file patent applications in any or all countries on any or all of said inventions and discoveries in my name or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise;

3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title and interest therein or otherwise as Assignee may direct;

4. Warrant that I have not knowingly conveyed to others any right in said inventions, discoveries, applications or patents or any license to use the same or to make, use or sell anything embodying or utilizing any of said inventions or discoveries; and that I have good right to assign the same to Assignee without encumbrance;

5. Bind my heirs, legal representatives and assigns, as well as myself, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to me or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by me, my heirs, legal representatives and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to me relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples and other physical exhibits in my control or in the control of my heirs, legal representatives or assigns which may be useful for establishing the facts of my conceptions, disclosures, and reduction to practice of said inventions and discoveries.

In testimony of which we have executed this Assignment as an instrument under seal on the date indicated next to my name.

State or Commonwealth of _____

County _____

Dated _____

Murray J. Height

On this _____ day of _____, 2003, before me appeared Murray J. Height, to me known and known to me as the person described in and who executed the foregoing instrument, and he/she acknowledged the same to be his/her free act and deed.

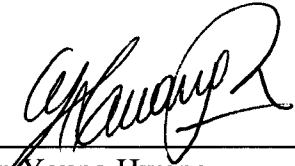
Notary Public

State or Commonwealth of Massachusetts

County Middlesex

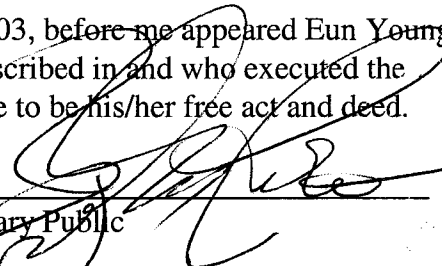
Dated April 2, 2003

Regina M. Pontes
Notary Public
Commission Expires
November 18, 2009



Eun Young Hwang

On this 2 day of April, 2003, before me appeared Eun Young Hwang, to me known and known to me as the person described in and who executed the foregoing instrument, and he/she acknowledged the same to be his/her free act and deed.



Notary Public

State or Commonwealth of _____

County _____

Dated _____

Timothy J. Prestero

On this _____ day of _____, 2003, before me appeared Timothy J. Prestero, to me known and known to me as the person described in and who executed the foregoing instrument, and he/she acknowledged the same to be his/her free act and deed.

Notary Public

A S S I G N M E N T

Whereas we, the undersigned, Murray J. Height, Eun Young Hwang and Timothy J. Prestero, hereby have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled APPARATUS FOR FLOW RATE CONTROL, identified as Attorney Docket No. MIT-124AUS and Client Case No. 9756 which application was executed on April 1, 2003, April 2, 2003 and April 1, 2003 and filed on April 7, 2003 and Assigned Application No.10/408,418. In the event that the execution date, filing date and/or Application No. are not entered above at the time we executed this document, and if such information is deemed necessary, we hereby authorize and request our attorneys at Daly, Crowley & Mofford, LLP, 275 Turnpike Street, Suite 101, Canton, MA 02021-2310, to insert above the execution date, filing date and/or Application No. of said application.

Whereas, MASSACHUSETTS INSTITUTE OF TECHNOLOGY, a Massachusetts corporation having a place of business at 77 Massachusetts Avenue, Cambridge, Massachusetts 02139, and which, together with its successors and assigns, is hereinafter called "Assignee," is desirous of acquiring the title, rights, benefits and privileges hereinafter recited;

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1. Assign, transfer and convey to Assignee the entire right, title and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation, reissue, re-examination and Convention applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues, reexaminations, and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications and said Letters Patent;

2. Authorize Assignee to file patent applications in any or all countries on any or all of said inventions and discoveries in my name or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise;

3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title and interest therein or otherwise as Assignee may direct;

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