

09-23-2003



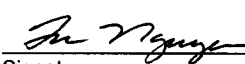
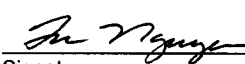
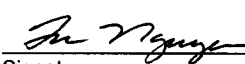
102555953

IR SHEET

Y

9-17-03

Commissioner for Patents: Please record the attached original document(s) or copy(ies).

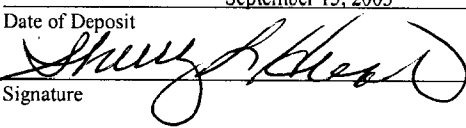
1. Name of conveying party(ies): Paul A. Hoisington, Melvin L. Biggs and Andreas Bibl Additional name(s) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies): Spectra, Inc. 101 Etna Road Lebanon, New Hampshire 03766-1422 United States of America Additional names/addresses attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other: Execution Date: August 28, 2003; August 27, 2003; August 29, 2003				
4. Application number(s) or patent number(s): If this document is being filed with a new application, the execution date of the application is: A. Patent Application No(s): 10/462,093 B. Patent No(s): Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
5. Name/address of party to whom correspondence concerning document should be mailed: JOHN J. GAGEL Fish & Richardson P.C. 225 Franklin Street Boston, MA 02110-2804	6. Total number of applications/patents involved: 1 7. Total fee (37 CFR §3.41): \$40 <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to charge Deposit Account. 8. Deposit Account No.: 06-1050 Please apply any additional charges, or any credits, to our Deposit Account No. 06-1050.			
DO NOT USE THIS SPACE				
9. Statement and Signature: <i>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.</i> <table border="0" style="width: 100%;"> <tr> <td style="width: 33%; border-bottom: 1px solid black;"> Tu N. Nguyen Reg. No. 42,934 Name of Person Signing </td> <td style="width: 33%; border-bottom: 1px solid black; text-align: center;">  Signature </td> <td style="width: 33%; border-bottom: 1px solid black; text-align: center;"> September 15, 2003 Date </td> </tr> </table> <p style="text-align: right;">Total number of pages including coversheet, attachments and document: 5</p>		Tu N. Nguyen Reg. No. 42,934 Name of Person Signing	 Signature	September 15, 2003 Date
Tu N. Nguyen Reg. No. 42,934 Name of Person Signing	 Signature	September 15, 2003 Date		

09/22/2003 LMJELLER 00000026 10462093
01 FC:8021 40.00 DP

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

September 15, 2003
Date of Deposit


Signature

Sherry L. Hunt

ASSIGNMENT

For valuable consideration, we, PAUL A. HOISINGTON of Norwich, Vermont, MELVIN L. BIGGS of Norwich, Vermont, and ANDREAS BIBL of Los Altos, California, hereby assign to Spectra, Inc., a corporation of Delaware having a place of business at 101 Etna Road, Lebanon, New Hampshire 03766-1422; and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled APPARATUS FOR DEPOSITING DROPLETS, filed June 13, 2003, and assigned U.S. Serial Number 10/462,093, this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal at Lebanon, NH,

this 28th day of August, 2003.

Paul A. Hoisington L.S.
PAUL A. HOISINGTON

State of New Hampshire
: ss.

County of Crafton :

Before me this 28 day of August, 2003, personally appeared PAUL A. HOISINGTON known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he executed the same as his free act and deed for the purposes therein contained.



Notary Public **NANCY E. CLOUD, Commissioner of Deeds**
My Commission Expires **May 21, 2008**
My Commission Expires:

[Notary's Seal Here]

IN WITNESS WHEREOF, I hereto set my hand and seal at Lebanon, N.H.,
this 27th day of August, 2003.
Melvin L. Biggs L.S.
MELVIN L. BIGGS

State of New Hampshire :
: ss.
County of Grafton :

Before me this 27th day of August, 2003, personally appeared
MELVIN L. BIGGS known to me to be the person whose name is subscribed to the foregoing
Assignment and acknowledged that he executed the same as his free act and deed for the
purposes therein contained.

Leeann Clifford
Notary Public

LEEANN CLIFFORD
Notary Public - New Hampshire
My Commission Expires September 20, 2005

My Commission Expires:

[Notary's Seal Here]

IN WITNESS WHEREOF, I hereto set my hand and seal at Santa Clara, CA,
this 29th day of August, 2003.

Andreas Bibl L.S.
ANDREAS BIBL

State of CALIFORNIA :

: ss.

County of SANTA CLARA :

Before me this 29th day of AUGUST, 2003, personally appeared
ANDREAS BIBL known to me to be the person whose name is subscribed to the foregoing
Assignment and acknowledged that he executed the same as his free act and deed for the
purposes therein contained.



[Notary's Seal Here]

Robin Deming
Notary Public

My Commission Expires: FEB. 5, 2006

20710772.doc