	D-1998 IEET U.S. DEPARTMENT OF COMME Patent and Trademark C
Tab settings $\rhd \rhd \Rightarrow \checkmark \downarrow \checkmark$	▲ ASP97-02
To the Honorable Commissioner of Pater. 10068	
1. Name of conveying party(ies):	2. Name and address of receiving party(ies)
(see attached)	Name: Aspen Technology, Inc. 0
(see accaence)	Internal Address:
Additional name(s) of conveying party(ies) attached? A Yes D No	C 005
3. Nature of conveyance:	
Assignment D Merger	Street Address: 10 Canal Park
Security Agreement Change of Name	
Other	City: <u>Cambridge</u> State: <u>MA</u> ZIP: <u>0214</u>
Execution Date: (1) 3/4/98 (2-5) 4/8/98	Additional name(s) & address(es) attached? D Yes X No
4. Application number(s) or patent number(s):	
If this document is being filed together with a new application	on, the execution date of the application is: $(1) 3/4/98$
	(2-5) 4/8/98
A Detect Application No. (c)	
A. Patent Application No.(s)	B. Patent No.(s)
Additional numbers a 5. Name and address of party to whom correspondence	
Additional numbers a	B. Patent No.(s)
Additional numbers a 5. Name and address of party to whom correspondence concerning document should be mailed:	B. Patent No.(s) attached? □ Yes XX No 6. Total number of applications and patents involved: 1
Additional numbers at 5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>Mary Lou Wakimura</u> , Esq.	B. Patent No.(s) attached? □ Yes XOK No 6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41)\$40.00
Additional numbers at 5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>Mary Lou Wakimura</u> , Esq. Internal Address:	 B. Patent No.(s) attached? □ Yes X No 6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41)\$40.00 ∞ Enclosed (included in filing fee)
Additional numbers at 5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>Mary Lou Wakimura, Esq.</u> Internal Address: <u>Hamilton, Brook, Smith & Reynolds, P.C.</u>	 B. Patent No.(s) attached? □ Yes XX No 6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41)\$40.00 XX Enclosed (included in filing fee) □ Authorized to be charged to deposit account
5. Name and address of party to whom correspondence concerning document should be mailed: Name: Mary Lou Wakimura, Esq. Internal Address:	B. Patent No.(s) attached? □ Yes X0K No 6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41)\$ 40.00 X0K Enclosed (included in filing fee) □ Authorized to be charged to deposit account 8. Deposit account number:
Additional numbers at 5. Name and address of party to whom correspondence concerning document should be mailed: Name: Mary Lou Wakimura, Esq. Internal Address:	B. Patent No.(s) attached? □ Yes X0K No 6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41)\$ 40.00 XX Enclosed (included in filing fee) □ Authorized to be charged to deposit account 8. Deposit account number: (Attach duplicate copy of this page if paying by deposit account)
Additional numbers at 5. Name and address of party to whom correspondence concerning document should be mailed: Name: Mary Lou Wakimura, Esq. Internal Address:	B. Patent No.(s) attached? □ Yes XX No 6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41)\$ 40.00 X Enclosed (included in filing fee) □ Authorized to be charged to deposit account 8. Deposit account number: (Attach duplicate copy of this page if paying by deposit account) SE THIS SPACE X

RECORDATION FORM COVER SHEET - PAGE 2

1

Names of Conveying Parties	Date of Execution
(1) Alvin E. Hamielec	March 4, 1998
(2) Martine Osias	April 8, 1998
(3) Sundaram Ramanathan	April 8, 1998
(4) Ashuraj Sirohi	April 8, 1998
(5) Chau-Chyun Chen	April 8, 1998

<u>Joint</u>

ASSIGNMENT

WHEREAS, we, Alvin E. Hamielec, Martine Osias, Sundaram Ramanathan, Ashuraj Sirohi and Chau-Chyun Chen, have invented a certain improvement in

POLYMER PROPERTY DISTRIBUTION FUNCTIONS METHODOLOGY AND SIMULATORS

described in an application for Letters Patent of the United States, executed by us of even date herewith and about to be filed in the United States Patent Office; and

WHEREAS, Aspen Technology, Inc.(hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the Commonwealth of Massachusetts, and having a usual place of business at 10 Canal Park, Cambridge, Massachusetts 02141 desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain

from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives;

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

-3amielec Inventor: Hamielec Alvin F

Province State/Commonwealth utaria of County of Hamilton - Wentworth

Then personally appeared before me the above-named Alvin E. Hamielec and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this $\frac{444}{1000}$ day of March , 1998.

Notary Public (print name) *lerstin*

(SEAL)

My Regimmangetiki Smith, With Protect 10, 03 / 04 / 98 Regional Municipality of Hamilton-Wentworth, limited to the attestation of instruments and the taking of affidavits for McMaster University. Expires April 3, 1998.

Inventor:

Martine Osias

State/Commonwealth

of _____

County of _____

Then personally appeared before me the above-named Martine Osias and acknowledged that he/she ecuted the foregoing instrument as his/her free act and deed this _____ day of _____, 19__.

	Notary	Public
(SEAL)	(print	name)
	My Commission expires /	1

Inventor:_____

-4-

Sundaram Ramanathan

State/Commonwealth

of _____

County of _____

Then personally appeared before me the above-named Sundaram Ramanathan and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this _____ day of _____, 19___.

				_Notary	Public
(SEAL)				_ (print	name)
	Му	Commission	expires	/	/

Inventor: _______ Asuraj Sirohi

State/Commonwealth

of _____

County of _____

Then personally appeared before me the above-named Asuraj Sirohi and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this _____ day of _____, 19___.

	 Notary	Public
(SEAL)	 (print	name)

My Commission expires __ / __ / __

PATENT REEL: 9098 FRAME: 0016

- 5 -

Inventor:______Chau-Chyun Chen

State/Commonwealth

of _____

County of

Then personally appeared before me the above-named Chau-Chyun Chen and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this _____ day of _____, 19___.

Notary Public

(SEAL)

My Commission expires __ / __ / __

(print name)

Joint

ASSIGNMENT

WHEREAS, we, Alvin E. Hamielec, Martine Osias, Sundaram Ramanathan, Ashuraj Sirohi and Chau-Chyun Chen, have invented a certain improvement in

POLYMER PROPERTY DISTRIBUTION FUNCTIONS METHODOLOGY AND SIMULATORS

described in an application for Letters Patent of the United States, executed by us of even date herewith and about to be filed in the United States Patent Office; and

WHEREAS, Aspen Technology, Inc.(hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the Commonwealth of Massachusetts, and having a usual place of business at 10 Canal Park, Cambridge, Massachusetts 02141 desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain

from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives;

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

-3-

Inventor:

Alvin E. Hamielec

State/Commonwealth

of _____

County of _____

Then personally appeared before me the above-named Alvin E. Hamielec and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this _____ day of _____, 19_.

	 Notary	Public
(SEAL)	 (print	name)

My Commission expires __ / __ / __

Inventor:

State/Commonwealth

of <u>Massachusetts</u>

County of Middlesex

Then personally appeared before me the above-named Martine Osias and acknowledged that he/she ecuted the foregoing instrument as his/her free act and deed this 8 day of April , 19 98.

Juan Martin Motary Public

Gerard V. Curtin, Jr (print name)

My Commission expires 07 / 05 / 2002



PATENT REEL: 9098 FRAME: 0020

-4-Inventor: 5. Kaman

State/Commonwealth

9^f <u>Massachusetts</u>

County of Middlesex

Then personally appeared before me the above-named Sundaram Ramanathan and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this <u>8</u> day of April , 1998.



praid V Cont Motary Public Gerard V. Curtin, Jr. / (print name) My Commission expires 07 /05 /2002

Inventor: Ashwaj Guila

State/Commonwealth

of Massachusetts

County of Middlesex

Then personally appeared before me the above-named Asuraj Sirohi and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this $\frac{8}{1998}$ day of April , 19⁹⁸.



main Harton Notary Public Gerard V. Curtin, Jr. (print name)

My Commission expires $\underline{07}$ / $\underline{05}$ / $\underline{2002}$

PATENT REEL: 9098 FRAME: 0021

-5-Inventor: Chall

State/Commonwealth

of Massachusetts

County of ______Middlesex

Then personally appeared before me the above-named Chau-Chyun Chen and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this <u>8</u> day of <u>April</u>, 19<u>98</u>.



Gund Vlutant Try Public Gerard V. Curtin, Jr. (print name)

My Commission expires <u>07</u> / <u>05</u> / <u>200</u>2