

11-02-1999



101189171

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

1. Name of conveying party(ies):

TSMD Acquisition Corporation
and
Stellex Microwave Systems, Inc.

☐ Individual(s)☐ Association☐ General☐ Limited

Partnership

Partnership

☒ Corporation - State Delaware and California, respectively☐ Other

Additional name(s) of conveying

party(ies) attached? ☐ Yes ☒ No

3. Nature of Conveyance:

☐ Assignment☐ Merger☐ Security Agreement☐ Change of Name

☒ Other Relinquishment and Amendment to Amended and Restated
Patent Security Agreement

Execution Date: March 29 & 30, 1999

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

Name: First Union Commercial Corporation

Internal Address: _____

Street Address: 1970 Chain Bridge Road, M/S VA1942City: McLeanState: VAZip: 22102☐ Individual(s) citizenship _____☐ Association _____☐ General Partnership _____☐ Limited Partnership _____☐ Corporation - State _____☐ Other _____If assignee is not domiciled in the U.S., a domestic representative designation is attached: ☐ Yes ☐ No

(Designation must be a separate document from Assignment)

Additional name(s) & address(es) attached?

☐ Yes ☒ No

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

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

06/907,503	07/601,261	08/329,772
07/798,829	07/370,331	08/191,091
07/991,500	07/856,457	08/512,346
08/621,772	08/394,652	08/716,859
08/869,084	08/735,066	08/804,212
08/892,469	08/811,574	08/546,885
08/378,457	08/883,366	08/717,300
08/762,979	08/499,861	08/800,106
08/573,318	08/865,330	08/860,041
08/599,092	08/823,655	08/751,776
08/801,997	08/746,608	08/333,775
08/813,003	08/796,300	08/420,249
08/679,864	08/838,882	08/661,334
07/238,826	08/575,294	

B. Patent No.(s)

4,845,054	4,787,813	5,113,789
4,834,022	5,088,773	5,078,922
4,834,020	5,136,975	5,029,471
5,377,300	4,993,358	4,935,377
5,341,110	5,059,770	5,374,328
5,304,398	5,232,145	5,513,390
5,668,063	5,122,391	5,361,409
5,571,576	4,673,799	5,551,074
5,639,343	5,683,516	5,799,248
5,629,654	5,809,422	5,752,181
5,652,179	5,768,268	5,732,345
5,613,859	5,708,556	5,823,791
4,891,247	5,786,278	5,745,328

Additional numbers attached? ☐ Yes ☒ No

11/02/1999 MTHAI1 00000247 06907503

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3200.00 OP

PATENT
REEL: 010310 FRAME: 0553

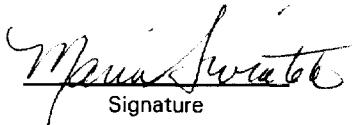
5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>Maria S. Swiatek</u> Internal Address: <u>FLEHR HOHBACH TEST</u> <u>ALBRITTON & HERBERT LLP</u> Street Address: <u>SUITE 3400</u> <u>FOUR EMBARCADERO CENTER</u> City: <u>SAN FRANCISCO</u> State: <u>CA</u> Zip: <u>94111-4187</u>	6. Total number of applications and patents involved: 80 7. Total fee (37 CFR 3.41):.....\$ <u>3,200.00</u> ☒ Enclosed ☐ Authorized to be charged to deposit account 8. Deposit account number: 06-1300 Please debit any underpayment or credit any overpayment to the above deposit account. Our Order No. <u>G-63687-3/AJT/MSS</u> (Attach duplicate of this page if paying by deposit account)
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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.

Maria S. Swiatek, Reg. No. 37,244
Name of Person Signing


Signature

October 29, 1999
Date

Total number of pages including cover sheet, attachments and document: [54]

OMB No. 0651-0011 (exp. 4/94)

Do not detach this portion

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks
Box Assignments
Washington, DC 20231

File No. G-63687-3/AJT/MSS
142613

Rev. 8/93

NOTICE OF RELINQUISHMENT AND AMENDMENT TO
AMENDED AND RESTATED
PATENT SECURITY AGREEMENT

This Notice of Relinquishment and Amendment to Amended and Restated Patent Security Agreement dated as of March 26, 1999 (this "Notice"), is entered into between STELLEX MICROWAVE SYSTEMS, INC., a California corporation (the "Grantor") and FIRST UNION COMMERCIAL CORPORATION, in its capacity as collateral agent for the Lenders (in such capacity, the "Collateral Agent").

WHEREAS, the Grantor entered into that certain Patent Security Agreement, dated as of October 31, 1997 in favor of the Collateral Agent;

WHEREAS, the Grantor entered into that certain Amended and Restated Patent Security Agreement, dated as of May 29, 1998 (the "Patent Security Agreement") in favor of the Collateral Agent;

WHEREAS, pursuant to the Patent Security Agreement, the Grantor granted a security interest in favor of the Collateral Agent in the "Collateral" (as such term is defined in the Patent Security Agreement), including, without limitation, the Patents and Patent Applications listed in Schedule A attached thereto and the patent license agreements listed in Schedule B attached thereto and any Patents, applications and license agreements thereafter issued to the Grantor;

WHEREAS, the Patent Security Agreement erroneously included patents and patent applications in which the Grantor never had rights, title or interest, and in which the Grantor had no power to grant a security interest;

WHEREAS, pursuant to the Amendment to Patent Security Agreement dated as of March 26, 1999 between the Grantor and the Collateral Agent, each of the Grantor and the Collateral Agent desire to amend Schedules A and B to the Patent Security Agreement to replace Schedule A with those Patents and Patent Applications listed on Schedule A hereto and to include those Licenses listed on Schedule B hereto;

NOW, THEREFORE, the Grantor acknowledges and agrees that the Grantor does not have, nor did it ever have, any right, title, or interest in, or ownership of, the patents and patent applications listed on Schedule C attached hereto (the "Watkins Patents"); and

AND FURTHER, each of the Grantor and the Collateral Agent hereby:
(a) confirm that they have amended (i) Schedule A to the Patent Security Agreement by replacing it with Schedule A hereto to include those Patents listed on Schedule A hereto and (ii) Schedule B to the Patent Security Agreement by replacing it with Schedule B hereto to include those Licenses listed on Schedule B hereto;

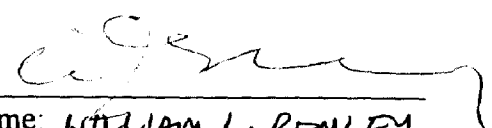
(b) give notice of such amendment;

(c) acknowledge that the Patent Security Agreement recorded in the United States Patent and Trademark Office ("USPTO") at Reel 9556 Frames 0267-0326 erroneously listed the Watkins Patents and each of the Grantor and the Collateral Agent hereby agree that there shall be recorded this Notice of Relinquishment and Amendment to Patent Security Agreement making of record the relinquishment and release of any and all purported rights to the Watkins Patents; and

(d) agree to execute all additional documents needed to record this Notice of Relinquishment and Amendment to Patent Security Agreement in the USPTO to reflect that Grantor does not have, nor did it ever have, any right, title and interest in and to the Watkins Patents.

IN WITNESS WHEREOF, this Notice has been duly executed on the date set forth above.

STELLEX MICROWAVE SYSTEMS, INC.

By: 

Name: WILLIAM L. BENTLEY

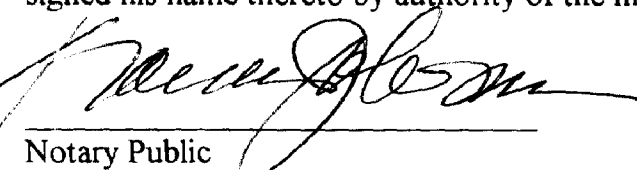
Title: CHAIRMAN

STATE OF NEW YORK)

) SS:

COUNTY OF NEW YORK)

On the 30 day of March, 1999, before me personally came WILLIAM L. BENTLEY, to me known, who being by me duly sworn, did depose and say that he resides at _____; that he is the CHAIRMAN of STELLEX MICROWAVE SYSTEMS, INC., the corporation described in and which accepted and agreed to the foregoing instrument; and that he signed his name thereto by authority of the managing member of said limited liability company.


Notary Public

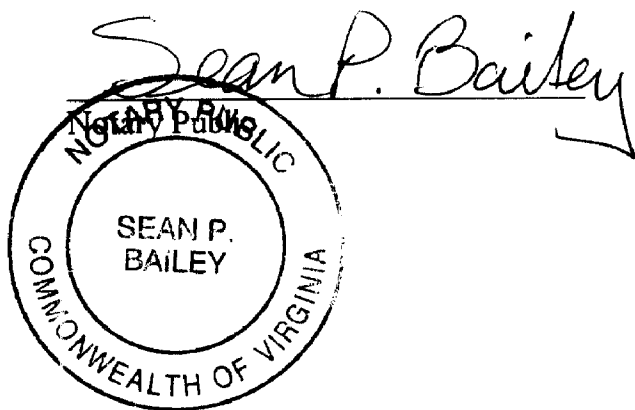
KAREN M. JOHNSON
Notary Public, State of New York
No. 01JO6005683
Qualified in New York County
Commission Expires April 20, 2000

FIRST UNION COMMERCIAL CORPORATION,
as Collateral Agent

By: [Signature]
Name: Jeff McGrath
Title: Director

STATE OF Virginia)
COUNTY OF Fairfax) SS:

On the 29TH day of March, 1999, before me personally came JEFF McGRATH
to me known, who being by me duly sworn, did depose and say that he resides at
_____; that he is the DIRECTOR of FIRST
UNION COMMERCIAL CORPORATION, the corporation described in and which accepted and
agreed to the foregoing instrument; and that he signed his name thereto by authority of the board
of directors of said corporation.



My Comm. Exps.
Sept. 30, 2003

\\ODMA\PCDOCS\NEWYORK\101290.1

SCHEDULE A
TO
PATENT SECURITY AGREEMENT
(STELLEX MICROWAVE SYSTEMS, INC.)

Dated as of May 29, 1998

Patents and Material Patent Applications/Pending Patent Disclosures

See Exhibit A attached hereto

EXHIBIT A
TO
STELLEX MICROWAVE SYSTEMS, INC.
PATENT SECURITY AGREEMENT

Reference No.	Inventors	Serial No./ Filing Date	Patent No./ Issue Date	Foreign Columns
G-16178-1/AJT	VARIABLE LINE EXTENDER FOR WAVE GUIDE/Griffith, et al.	USSN 721,333 Filed 04/08/85	US 4,677,400 Issued 06/30/87	
G-16178-2/AJT	HIGH FREQUENCY CONVERTER	USSN 668,718 Filed	US 3,584,306 Issued 06/08/71 Expired	
G-16178-3/AJT	HIGH FREQUENCY CONVERTER/Robert Griffith, et al	USSN 851,923 Filed	US 3,638,126 Issued 01/25/72 Expired	
G-16178-4/AJT	MILLIMETER-WAVE ODD HARMONIC FREQUENCY MULTIPLIER/ Hu	USSN 278,815 Filed 06/29/81	US 4,394,632 Issued 07/19/83	
G-16178-5/AJT	MILLIMETER-WAVE STRIPLINE PLANAR MIXER/ Hu	USSN 364,289 Filed 04/01/82	US 4,412,354 Issued 10/25/83	
A-25007/AJT	PERIODIC PERMANENT MAGNET FOCUSED TRAVELING WAVE TUBE/ Purnell	USSN 120,466 Issued 03/30/71	US 3,684,914 Issued 08/15/72 Expired	
A-31892/AJT/SCS	THIN FILM MICROWAVE VOLTAGE CONTROLLED OSCILLATOR/Buswell, Evers, Heichel	USSN 851,458 Filed 11/14/77	US 4,156,211 Issued 05/22/79 Expired	
A-36756/AJT	Controlled Voltage Yttrium Iron Garnet (YIG) Resonator Apparatus Schleibold, Green	USSN 291,618 Filed 08/10/81	USSN 4,420,731 Issued 12/13/83 Expired	

Reference No.	Title/Inventors	Serial No./ Filing Date	Patent No./ Issue Date	Foreign Countries
FA-36756-JP/AJT	Controlled Voltage Yttrium Iron Garnet (YIG) Resonator Apparatus Schiebold, Green	Appl. 139083/1982 Filed 08/10/82	JP 1470456 Issued 12/14/88	Japan
A-37012/AJT	RF Amplifier Circuit Employing FET Devices Crescenzi, Wilsner, Oglesbee, Gold	USSN 316,130 Filed 10/29/81	US 4,423,388 Issued 12/27/83 Expired	
A-37341/AJT	HOUSING FOR MICROWAVE ELECTRONIC DEVICES; Bertolina	USSN 06/326,757 Filed 12/02/81	US 4,455,448 Issued 06/19/84	
A-40351/AJT	Microwave Circuit Structure and Method of Mounting Roberts	USSN 593,908 Filed 03/27/84	US 4,547,755 Issued 10/15/85	
A-43820/AJT	WIDEBAND MICROWAVE MATRIX AMPLIFIER Niclas	USSN 015,908 Filed 02/18/87	US 4,752,746 Issued 06/21/88	
A-44133/AJT	MATRIX AMPLIFIER, A HIGH GAIN MODULE; Niclas	Closed		
A-45171/AJT	CONNECTOR ASSEMBLY FOR MICROWAVE INTEGRATED CIRCUITS Palar, Johnson, Buchholz, Galli	USSN 38,539 Filed 04/15/87	US 4,737,123 Issued 04/12/88 Expired	All foreign cases expired
A-49833/AJT	IMPROVED MICROWAVE HYBRID AMPLIFIER STRUCTURE; Crescenzi	Closed		
A-50202/AJT	MICROWAVE NOTCH FILTER SUING PIN DIODE SHUNTED YIG RESONATOR Korber	USSN 360,312 Filed 06/02/89	US 4,965,539 Issued 10/23/90	
A-50847/AJT	APPARATUS FOR LOW STRESS POLISHING OF SPHERICAL OBJECTS London	USSN 455,182 Filed 12/22/89	US 4,965,967 Issued 10/30/90	

Reference No.	Title/Inventors	Serial No./ Filing Date	Patent No./ Issue Date	Foreign Countries
A-51965/AJT	SURFACE MOUNT PACKAGE FOR RF DEVICES Ledford, Seieroo	USSN 570,121 Filed 08/17/90	US 5,117,068 Issued 05/26/92	
A-54251/AJT	PLANAR COMPATIBLE CERAMIC PACKAGE; Richardson	Closed		
A-54458/AJT	RF GLASS FEEDTHROUGH SEAL AND METHOD Bier	USSN 756,462 Filed 09/09/91	US 5,170,142 Issued 12/08/92 Expired	
A-56617/AJT	HIGH FREQUENCY LIMITER AND SWITCH LIMITER CIRCUIT HAVING IMPROVED RECOVERY TIME Bellantoni	USSN 940,072 Filed 09/03/92	US 5,300,900 Issued 04/05/94	
FA-56617-JP/AJT	HIGH FREQUENCY LIMITER AND SWITCH LIMITER CIRCUIT HAVING IMPROVED RECOVERY TIME Bellantoni	Appl. 5-215947 Filed 08/31/93		Japan
A-57396/AJT	DUAL MODE LOGARITHMIC AMPLIFIER HAVING CASCADED STAGES Bamford, Crescenzi, O'Mahoney, Wandinger	USSN 016,073 Filed 02/10/93	US 5,414,313 Issued 05/09/95	
A-58859/AJT	PROCESS FOR FORMING SOLID CONDUCTIVE VIAS IN SUBSTRATES Besser, Novice, Rogers, Washburn, White	USSN 181,665 Filed 01/14/94	US 5,454,928 Issued 10/03/95	
FA-58859-IL/AJT	PROCESS FOR FORMING SOLID CONDUCTIVE VIAS IN SUBSTRATES Besser, Novice, Rogers, Washburn, White	Appl. 112294 Filed 01/10/95	IL 112294 Issued 02/02/97	Israel
A-59152/AJT	MICROWAVE PLANAR TRANSFORMER; Brosius	Closed		

Reference No.	Inventors	Serial No./ Filing Date	Patent No./ Issue Date	Foreign Countries
A-62736/AJT/MSS	HIGH FREQUENCY HERMETICALLY SEALED ELECTRICAL FEED-THROUGH CONNECTOR/Spivey, et al.	USSN 08/577,257 Filed 12/22/95		
A-63664/AJT	CONNECTOR ASSEMBLY SPARKPLUG VERSION	Merged into A-62726-1 and Transferred to TSMD		
A-63666/AJT/MSS	METHOD FOR FORMING IRREGULAR SHAPED SUBSTRATES; Morley, Rogers	USSN 08/845,810 Filed 04/28/97		
A-64716/AJT/MSS	METAL BARRIER LAYER DEVICE AND METHOD/Buford, Luo, Rogers, Verdon	USSN Filed		
SS-578-01	MICROWAVE INTEGRATED CIRCUIT PACKAGE TO ELIMINATE ALUMINA SUBSTRATE CRACKING Brody, Richardson, Richardson	USSN 542,724 Filed 06/22/90	US 5,102,029 Issued 04/07/92	
SS-578-01/DIV	MICROWAVE INTEGRATED CIRCUIT PACKAGE TO ELIMINATE ALUMINA SUBSTRATE CRACKING	USSN 809,699 Filed 12/16/91	US 5,175,611 12/29/92	
SS-578-01/J	MICROWAVE INTEGRATED CIRCUIT PACKAGE TO ELIMINATE ALUMINA SUBSTRATE CRACKING Brody, Richardson, Richardson		JP 2544031 Issued 07/25/96	Japan
SS-578-01/UK	MICROWAVE INTEGRATED CIRCUIT PACKAGE TO ELIMINATE ALUMINA SUBSTRATE CRACKING Brody, Richardson, Richardson		UK 2246470 Issued 10/05/94	UK
SS-578-02	DC-40 GHZ MODULE INTERFACE Chrzan	USSN 578,668 Filed 09/04/90	US 5,065,124 Issued 11/12/91	

Reference No.	Title/Inventors	Serial No./ Filing Date	Patent No./ Issue Date	Foreign Countries
SS-578-02/F	DC-40 GHZ MODULE INTERFACE Chrzan		FR 91 10348 Issued 12/12/93	France
SS-578-02/J	DC-40 GHZ MODULE INTERFACE Chrzan		JP 2097472 Issued 10/02/96	Japan
SS-578-02/UK	DC-40 GHZ MODULE INTERFACE Chrzan		UK 2247786 Issued 08/31/94 ABANDONED	UK
SS-578-09	WIDE PERCENTAGE BANDWIDTH MICROWAVE FILTER NETWORK AND METHOD OF MANUFACTURING SAME/ Swanson	USSN 778.303 Filed 10/15/91	US 5,175,518 Issued 12/29/92	
SS-578-09/J	WIDE PERCENTAGE BANDWIDTH MICROWAVE FILTER NETWORK AND METHOD OF MANUFACTURING SAME/ Swanson		JP 2558419 Issued 09/05/96	Japan
SS-578-09/UK	WIDE PERCENTAGE BANDWIDTH MICROWAVE FILTER NETWORK AND METHOD OF MANUFACTURING SAME/ Swanson		UK 2260646 Issued 01/10/96 Singapore Registration No. 9690452.9	U.K.
SS-578-09/UK-DIV	WIDE PERCENTAGE BANDWIDTH MICROWAVE FILTER NETWORK AND METHOD OF MANUFACTURING SAME/ Swanson		UK 2266195 Issued 01/10/96 Singapore Registration No. 9690453.7	U.K.
N/A	HOUSING FOR MICROWAVE ELECTRONIC DEVICES Bertolina	USSN 326,757 Filed 12/02/81	US 4,455,448 Issued 06/19/84 Expired	Japan

Reference No.	Title/Inventors	Serial No. / Filing Date	Patent No. / Issued Date	Foreign Countries
A-28035	ELECTRON BOMBARDED SEMICONDUCTOR DEVICE WITH DOUBLY-DISTRIBUTED DEFLECTION MEANS/ Bates		US 4,328,466 Issued: 05/04/82	
A-31006	YIG-TUNED BULK SEMICONDUCTOR OSCILLATOR/ Wilser		US 4,048,588 Issued: 09/13/77	
A-30451	ELECTRON BOMBARDED SEMICONDUCTOR DEVICE / Knight		US 4,045,705 Issued: 08/30/77	
A-28757	METHOD OF FABRICATING AN ARRAY OF SEMICONDUCTOR DEVICES / Rose		US 4,040,169 Issued: 08/09/77	
A-29539	INTERCONNECTING CIRCUIT FOR EBS DIODES AND METHOD / Carter		US 4,001,600 Issued: 01/04/77	
A-27209	RECTANGULAR BEAM LAMINAR FLOW ELECTRON GUN / Bates		US 3,980,919 Issued: 09/14/76	

SCHEDULE B
TO
PATENT SECURITY AGREEMENT
(STELLEX MICROWAVE SYSTEMS, INC.)

Dated as of May 29, 1998

License Agreements

LICENSES FROM THE GRANTOR TO OTHER COMPANIES

Each of the patents set forth on Exhibit A to Schedule A were licensed to Watkins-Johnson Company pursuant to the Cross-License Agreement among Watkins-Johnson Company, Stellex Microwave Systems, Inc. and TSMD Acquisition Corp.

LICENSES FROM OTHER COMPANIES TO THE GRANTOR

Each of the Licenses set forth on Exhibit B were licensed to Stellex Microwave Systems, Inc. pursuant to that Cross-License Agreement referred to above.

EXHIBIT D
TO
STELLEX MICROWAVE SYSTEMS, INC.
PATENT SECURITY AGREEMENT

Reference No.	Title/Inventors	Serial No. / Filing Date	Patent No. / Issue Date	Foreign Countries
A-49500/AJT	LINEARIZED ATTENUATOR; Fisher	Closed		
A-50064/AJT	METHOD OF FABRICATING MICROWAVE FET HAVING GATE WITH SUBMICRON LENGTH; GALLIUM-ARSENIC, ALUMINUM AND FLUORINATED POLYMER Striffler, Cantos	USSN 388,627 Filed 08/01/89	US 4,935,377 Issued 06/19/90	
FA-50064-JP/AJT	METHOD OF FABRICATING MICROWAVE FET HAVING GATE WITH SUBMICRON LENGTH; GALLIUM-ARSENIC, ALUMINUM AND FLUORINATED POLYMER Striffler, Cantos	Appl. 02-181366 Filed 07/09/90		Japan
A-57779-AJT	METHOD OF FABRICATING GROUP III-IV COMPOUND SEMICONDUCTOR DEVICES USING SELECTIVE ETCHING/Brunemeier, Remba, Resenblatt, Schmukler, Striffler	USSN 37,074 Filed 03/25/93	US 5,374,328 Issued 12/20/94 UNDER REISSUE	
FA-57779-IL/AJT	ETCH STOP MMIC PROCESS/Brunemeier, Remba, Resenblatt, Schmukler, Striffler	Appl. 108762 Filed 02/24/94	IL 108762 Issued 02/28/96	Israel
FA-57779-JP/AJT	ETCH STOP MMIC PROCESS/Brunemeier, Remba, Resenblatt, Schmukler, Striffler	Appl. 6-521065 Filed 03/03/94		Japan
FA-57779-KR/AJT	ETCH STOP MMIC PROCESS/Brunemeier, Remba, Resenblatt, Schmukler, Striffler	Appl. 704223/94 Filed 03/03/94		South Korea
FE-57779-EI/AJT	METHOD OF FABRICATING GROUP III-IV COMPOUND SEMICONDUCTOR DEVICES USING SELECTIVE ETCHING/Brunemeier, Remba, Resenblatt, Schmukler, Striffler	Appl. 94910829.4 Filed 03/03/94		Europe

Reference No.	Title/Inventors	Serial No./ Filing Date	Patent No./ Issue Date	Foreign Country
FP-57779-PC/AJT	METHOD OF FABRICATING GROUP III-IV COMPOUND SEMICONDUCTOR DEVICES USING SELECTIVE ETCHING/Brunameler, Remba, Resenblatt, Schmukler, Striffler	Appl. PCT/US94/02328 Filed 03/03/94		PCT
RI-57779-1/AJT/MISS	METHOD OF FABRICATING GROUP III-IV COMPOUND SEMICONDUCTOR DEVICES USING SELECTIVE ETCHING/Brunameler, Remba, Resenblatt, Schmukler, Striffler	USSN 08/751,776 Filed 12/05/96 Reissue Appl. of U.S. Pat. 5,374,328 Issued 12/20/94		
A-58046/AJT	BIASED FET MIXER / Vice	USSN 149,671 Filed 11/09/93	US 5,513,390 Issued 04/30/96	
A-58410/AJT	FET MIXER HAVING TRANSMISSION LINE TRANSFORMER/Vice	USSN 08/004,234 Filed 01/14/93	US 5,361,409 Issued 11/01/94	
A-58410-1/AJT/RMA	BALANCED REFLECTION TRANSFORMER/Vice	USSN 08/105,292 Filed 08/10/93	ABANDONED	
A-58410-2/AJT/RMA	BALANCED REFLECTION TRANSFORMER/Vice	USSN 08/376,126 Filed 01/19/95	US 5,551,074 Issued 08/07/96	
A-58410-3/AJT/RMA	METHOD AND APPARATUS FOR REDUCING INTERMODULATION DISTORTION IN A MIXER	USSN 08/574,071 Filed 12/18/95		
A-60388/AJT/RMA	UNBALANCED FET MIXER/ LJ et al.	USSN 08/333,775 Filed 11/03/94		
FA-60388-CA/AJT	UNBALANCED FET MIXER /LJ et al	Appl. 2174395 Filed 04/17/96		Canada
FA-60388-JP/AJT	UNBALANCED FET MIXER /LJ et al	Appl. 8-95461 Filed 04/17/96		Japan

Reference No.	Inventors	Serial No. / Filing Date	Patent No. / Issue Date	Foreign Countries
FA-60388-KR/AJT	UNBALANCED FET MIXER /Li et al	Appl. 11527/96 Filed 04/17/96		South Korea
FE-60388-EP/AJT	UNBALANCED FET MIXER /Li et al	Appl. 96302777.6 Filed 04/19/96		Europe
A-60917/AJT/RMA	COMPENSATED RING MIXERS	USSN 08/420,249 Filed 04/11/95		
FP-60917-PC/AJT/RMA	COMPENSATED RING MIXERS	Appl. PCT/US96/05061 Filed 04/11/96		PCT
A-61004/AJT/RMA	TRIPLE BALANCED PASSIVE TRANSMISSION FET MIXER	USSN 08/575,294 Filed 12/20/95		
FP-61004-PC/AJT/RMA	TRIPLE BALANCED PASSIVE TRANSMISSION FET MIXER	Appl. PCT/US96/19964 Filed 12/18/96		PCT
A-62381/AJT/RMA	QUASI-DOUBLE BALANCED PASSIVE REFLECTION FET MIXER/Vice	USSN 08/575,409 Filed 12/20/95		
FP-62381-PC/AJT/RMA	QUASI-DOUBLE BALANCED PASSIVE REFLECTION FET MIXER/Vice	Appl. PCT/US96/20548 Filed 12/18/96		PCT
A-62382/AJT/RMA	QUASI-DOUBLE BALANCED DUAL TRANSFORMER DUAL FET MIXER , WHICH ACHIEVES BETTER ISOLATION BY USING A FIRST AND SECOND DIPLEXER, AND A TRANSMISSION LINE RF BALUN /Vice	USSN 08/575,293 Filed 12/20/95		
FP-62382-PC/AJT/RMA	QUASI-DOUBLE BALANCED DUAL- TRANSFORMER PASSIVE REFLECTION FET MIXER	Appl. PCT/US96/19965 Filed 12/18/96		PCT
A-62592/AJT/MSS	METHOD OF CHARACTERIZING GROUP III-V EPITAXIAL SEMICONDUCTOR WAFERS INCORPORATING AN ETCH STOP LAYER	USSN 08/571,518 Filed 12/13/95	US 5,639,343 Issued 06/17/97	

Reference No.	Title/Inventors	Serial No. Filing Date	Patent No. Issue Date	Foreign Countries
FP-62592-PC/AJT/MSS	METHOD OF CHARACTERIZING GROUP III-V EPITAXIAL SEMICONDUCTOR WAFERS INCORPORATING AN ETCH STOP LAYER	Appl. PCT/US96/19406 Filed 12/06/96		PCT
A-63333/AJT/MSS	A MULTI-LAYER PRINTED WIRING BOARD HAVING INTEGRATED BROADSIDE MICROWAVE COUPLER/U	USSN 08/661,334 Filed June 14, 1996		
FA-63333-TW/AJT/MSS	A MULTI-LAYER PRINTED WIRING BOARD HAVING INTEGRATED BROADSIDE MICROWAVE COUPLER/U	Appl. 86108238 Filed 06/12/97		Taiwan
FP-63333-PC/AJT/MSS	PRINTED CIRCUIT BOARD HAVING INTEGRATED BROADSIDE MICROWAVE COUPLER/U	Appl. PCT/US97/09236 Filed 05/28/97		PCT
A-63334/AJT	Co-Planar Waveguide Coupler/Frick	USSN 08/643,852 Filed May 6, 1996	US 5,629,654 Issued 05/13/97	
FP-63334-PC/AJT	Co-Planar Waveguide Coupler/Frick	Appl. PCT/US97/08298 Filed 05/06/97		PCT
A-63348/AJT/MSS	METHOD OF FABRICATING SUB-MICRON GATE ELECTRODE BY ANGLE AND DIRECT EVAPORATION; Striffler, Lee, Hitchens, Remba	USSN 08/638,950 Filed April 24, 1996	US 5,652,179 Issued 07/29/97	
A-64020/AJT	ELECTROMAGNETIC IMPULSE SUPPRESSION CIRCUIT/Ballantoni	USSN 08/811,111 Filed 03/03/97		
A-64186/AJT/RMA	TOTEM POLE MIXER HAVING GROUNDED SERIALLY CONNECTED STACKED FET PAIR/Vice	USSN Filed		
A-62726/AJT	CONNECTOR ASSEMBLY FOR DETACHABLY CONNECTING A PRINTED WIRING BOARD TO A COAXIAL TRANSMISSION LINE /Tobias, Ballantoni	USSN 08/563,299 Filed 11/28/95	US 5,613,859 Issued 03/25/97	

Reference No.	Title	Serial No./ Filing Date	Patent No./ Issue Date	Foreign Country
FA-62726-JP/AJT	CONNECTOR ASSEMBLY FOR DETACHABLY CONNECTING A PRINTED WIRING BOARD TO A COAXIAL TRANSMISSION LINE /Tobias, Bellantoni	Appl. 8-315230 Filed 11/26/96		Japan
FA-62726-KR/AJT	CONNECTOR ASSEMBLY FOR DETACHABLY CONNECTING A PRINTED WIRING BOARD TO A COAXIAL TRANSMISSION LINE /Tobias, Bellantoni	Appl. 58641/96 Filed 11/28/96		South Korea
A-62726-1	CONNECTOR ASSEMBLY FOR DETACHABLY CONNECTING A PRINTED WIRING BOARD TO A COAXIAL TRANSMISSION LINE /Tobias, Bellantoni	USSN 08/744,623 Filed 11/06/96		
A-65043/AJT/RMA	TRIPLE BALANCED REFLECTION FET MIXER WITH SQUARE WAVE LOCAL OSCILLATOR WAVEFORM REGENERATION; Vice			

SCHEDULE C
TO
PATENT SECURITY AGREEMENT
(STELLEX MICROWAVE SYSTEMS, INC.)

The Watkins Patents

See Exhibit C attached hereto

SCHEDULE 1 TO LICENSE AGREEMENT

EXCLUDED PATENT APPLICATIONS/INVENTION DISCLOSURES

The following are excluded from license or transfer to TSMC:

(g)

A-1078-11A1T	LOW TEMPERATURE CHEMICAL VAPOR DEPOSITION OF SILICON DIOXIDE	USPN 07/061,717 Filed 06/29/97	US 4,845,054 Issued 07/04/99
A-14178-71A1T	CVD REACTOR AND GAS INJECTION SYSTEM	USPN 07/044,326 Filed 10/27/97	US 4,834,823 Issued 05/08/99
A-40350-11A1T	RAPID INFRARED CURING OF POLYMER/PHOTOLITHOGRAPHY	Class	
A-01141A1T	IMPROVED RECEIVER SENSITIVITY; Taylor	Class	
A-440801A1T	ATMOSPHERIC PRESSURE CHEMICAL VAPOR DEPOSITION APPARATUS AND METHOD; Barthelme	USPN 07/121,486 Filed 11/04/97	US 4,834,829 Issued 05/08/99
A-44153A1T	CLEAN ROOM ROBOT; Saxon	USPN 07/080,591 08/24/97	US 4,787,413 21/09/98
A-445211A1T	METHOD OF IMPROVING STEP COVERAGE OF DIELECTRIC IN VLSI CIRCUITS; Shoverbohn	USPN 06/907,583 Filed 07/15/96	
A-45521-11A1T	METHOD OF IMPROVING STEP COVERAGE OF DIELECTRIC IN VLSI CIRCUITS; Shoverbohn	USPN 214,909 Filed 06/29/98	
A-47444A1T	CHEMICAL VAPOR DEPOSITION OF SILICON DIOXIDE USING HEXAMETHYLDISILAZANE; Grubbs	USPN 234,816 Filed 08/11/98	
A-47444-11A1T	CHEMICAL VAPOR DEPOSITION OF SILICON DIOXIDE USING HEXAMETHYLDISILAZANE; Grubbs	USPN 07/779,839 Filed 11/23/98	
A-47444-21A1T	CHEMICAL VAPOR DEPOSITION OF SILICON DIOXIDE USING HEXAMETHYLDISILAZANE; Grubbs	USPN 07/791,509 12/17/98	

SCHEDULE 1 TO PATENT CROSS LICENSE AGREEMENT

EXCLUDED PATENTS/PATENT APPLICATIONS/INVENTION DISCLOSURES

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October 29, 1997

Page 1 of 11

Exhibit C

A-47463 /A/TW/S3	CHEMICAL VAPOR DEPOSITION USING DISSILANE; Grubbs	USSN 08/120,773 Filed 10/27/94	
A-52366/AJT	ELECTRICALLY INSULATED PIPE COUPLING APPARATUS; Grubbs	USSN 07/570,723 Filed 08/17/90	US 5,008,773 Issued 02/18/92
A-52353/A/TW/S3	INJECTOR AND METHOD FOR DELIVERING GASEOUS CHEMICALS TO A SURFACE; Bartholomew	USSN 07/542,243 Filed 06/28/90	US 5,134,975 Issued 08/11/92
A-52354/A/TW/S3	SELF CLEANING ORIFICE; Komin	USSN 07/513,807 Filed 04/24/90	US 5,113,789 Issued 05/19/92
A-52355/AJT	U-SHAPED HEATER LINES; Walker	USSN 07/480,261 Filed 10/22/90	
A-52356/AJT	LIQUID SOURCE BUBBLER; Hsiao	USSN 07/461,276 Filed 10/22/90	US 5,072,522 Issued 01/07/92
A-52372/AJT	X-RAY TUBE INCLUDING FLUID X-RAY SOURCE; Grubbs	Chord	
A-52359/AJT	LIQUID LEVEL SENSOR ASSEMBLY; Goodrich	USSN 07/401,406 Filed 10/23/90	US 5,009,472 Issued 07/09/91
A-52360/AJT	VAPOR DELIVERY SYSTEM	Chord	
A-52361/AJT	CHEMICAL REFILL SYSTEM	Chord	
A-52390/AJT	HEATER FOR PROCESSING GASES; Ombis	USSN 07/471,498 Filed 11/04/92	US 5,377,360 Issued 12/23/94
A-52368/AJT	LOW PHASE NOISE REFERENCE OSCILLATOR; Nandi	USSN 06/891,615 Filed 07/14/93	US 5,342,116 Issued 08/23/94
A-52390/AJT	MINI GAS Zodiir		
A-57737/AJT	RFSG STABILITY ENHANCING CAP LAYER; Engelen	Chord	

SCHEDULE 1 TO PATENT CROSS LICENSE AGREEMENT
EXCLUDED PATENTS/PATENT APPLICATIONS/INVENTION DISCLOSURES

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October 20, 1997

2

Page 2 of 11

A-57721A/1T	OXONE PRETREATMENT FOR IMPROVED VIA RESISTANCE; Cure	Classed	US 5,394,398 Filed 04/19/94
A-57721A/1T	CHEMICAL VAPOR DEPOSITION OF SILICON DIOXIDE USING HEXAMETHYLDISILAZANE ETCHES	US57 08071,516 Filed 05/01/93	
A-58071A/1T	A THIN FILM SEMICONDUCTOR DEVICE AND METHOD; Hemels	US58 08291,891 Filed 02/01/94	
A-58071A/1T	METHOD OF MANUFACTURING A GLASS SUBSTRATE FOR A THIN FILM; Hemels	US58 08291,893 Filed 02/01/94 Abandoned in favor of PWC	
A-59073-1A/1T/1SS	METHOD OF MANUFACTURING A GLASS SUBSTRATE FOR A THIN FILM; Hemels	US59 08512,279 Filed 10/12/95	ABANDONED
A-59073-1A/1T/1SS	METHOD OF MANUFACTURING SIDE WALLS AND SEMICONDUCTOR DEVICE HAVING SIDE WALLS; Hemels	US59 08137,691 Filed 03/04/94 Abandoned in favor of PWC	
A-59073-1A/1T/1SS	METHOD OF MANUFACTURING SIDE WALLS AND SEMICONDUCTOR DEVICE HAVING SIDE WALLS; Hemels	US59 08512,346 Filed 04/01/95 PWC of 08037,691 Filed 03/04/94	
A-59021A/1T	TRIETHOXYMILANE (TRIS) AS A PRECURSOR FOR THE DEPOSITION OF NO ₂ Schmitt	Classed	
A-59471A/1T	SINGLE BODY INJECTOR FOR DELIVERING GASES TO A SURFACE; Bodensky	US59 08221,815 Filed 07/12/94 Abandoned in favor of PWC	

SCHEDULE 1 TO PATENT CROSS LICENSE AGREEMENT
EXCLUDED PATENT/PATENT APPLICATIONS/INVENTION DISCLOSURES
03/01/94/01/94

October 28, 1997

Page 3 of 11

A-59471-1 PATENT	SINGLE BODY INJECTOR AND METHOD FOR DELIVERING GASES TO A SURFACE; <i>Dr. J. J. J. J. J.</i>	USPN 5,803,173 Filed 02/22/95	
A-59471-2 PATENT	SINGLE BODY INJECTOR FOR DELIVERING GASES TO A SURFACE; <i>Dr. J. J. J. J. J.</i>	USPN 5,803,174 Filed 02/22/95	
A-59471-3 PATENT	SINGLE BODY INJECTOR FOR DELIVERING GASES TO A SURFACE; <i>Dr. J. J. J. J. J.</i>	USPN 5,803,175 Filed 02/22/95	
A-59471-4 PATENT	ARCHITECTURE FOR EFFICIENT INTERPOLATION; <i>Dr. J. J. J. J. J.</i>	USPN 5,803,176 Filed 02/22/95	
A-59471-5 PATENT	ARCHITECTURE FOR EFFICIENT INTERPOLATION; <i>Dr. J. J. J. J. J.</i>	USPN 5,803,177 Filed 02/22/95	
A-59471-6 PATENT	METHOD OF PLANARIZING A LAYER OF MATERIAL; <i>Dr. J. J. J. J. J.</i>	USPN 5,803,178 Filed 02/22/95	US 5,803,178 Filed 02/22/95
A-59471-7 PATENT	METHOD OF FORMING A FLUORINATED SILICON OXIDE LAYER USING PLASMA CHEMICAL VAPOR DEPOSITION; <i>Dr. J. J. J. J. J.</i>	USPN 5,803,179 Filed 02/22/95	US 5,803,179 Filed 02/22/95
A-59471-8 PATENT	CELLULAR TELEPHONE LOCATING SYSTEM BASED ON TIME DIFFERENCE OF ARRIVAL (TDOA); <i>Dr. J. J. J. J. J.</i>	USPN 5,803,180 Filed 02/22/95	
A-59471-9 PATENT	METHOD AND APPARATUS FOR ADAPTIVE ANTENNA BEAM FORMING IN A WIRELESS COMMUNICATION SYSTEM; <i>Dr. J. J. J. J. J.</i>	USPN 5,803,181 Filed 02/22/95	
A-59471-10 PATENT	METHOD AND APPARATUS FOR ADAPTIVE ANTENNA BEAM FORMING IN A WIRELESS COMMUNICATION SYSTEM; <i>Dr. J. J. J. J. J.</i>	USPN 5,803,182 Filed 02/22/95	

SCHEDULE 1 TO PATENT CROSS LICENSE AGREEMENT
EXCLUDED PATENT/PATENT APPLICATION/INVENTION DISCLOSURES
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October 18, 1997

Page 4 of 11

A-4815AJTJDC	WIRELESS COMMUNICATION NETWORK USING TIME- PARTING VECTOR CHANNEL EQUALIZATION FOR ADAPTIVE SPATIAL EQUALIZATION; Ref:4	USSN 02735,066 Filed 10/18/96
A-0825AJTJDC	DISTRIBUTED MICROCELLULAR COMMUNICATIONS SYSTEM; Ref:4	USSN 02521,809 Filed 01/08/96
A-0111AJTJDC	SYSTEM AND METHOD FOR DYNAMIC CHANNEL ALLOCATION IN A CELLULAR COMMUNICATION NETWORK; P:4:4:4	USSN 02511,574 Filed 03/05/97
A-0119AJTJDC	DIGITAL BASE STATION FOR CELLULAR COMMUNICATION SYSTEM; Ref:4	USSN 02504,175 Filed 07/11/95
A-0219AJTJDC	ELECTROSTATIC CHUCK ASSEMBLY; Y:4 O:4	USSN 02500,410 Filed 07/16/95
A-0319AJTJDC	ELECTROSTATIC CHUCK ASSEMBLY; Y:4 O:4	USSN 02483,366 Filed 06/20/97
A-0218AJTJDC	GAS DISTRIBUTION APPARATUS; N:4:4:4	USSN 02489,861 Filed 07/18/95
A-0210AJTJDC	SPREAD SPECTRUM BANDTRANSDUCERS; Ref:4	USSN 02474,859 Filed 06/19/96
A-0210AJTJDC	STRESS RELIEF OF APCVD OXIDE FILMS; P:4	USSN 02474,237 Filed 06/22/96
A-0216AJTJDC	PLASMA ENHANCED CHEMICAL PROCESSING REACTOR AND METHOD; Y:4 O:4	USSN 02500,403 Filed 07/11/95
A-0216AJTJDC	PLASMA ENHANCED CHEMICAL PROCESSING REACTOR AND METHOD; Y:4 O:4	USSN 02504,212 Filed 02/12/97
		Div. of 02500,403 Filed 07/18/95

**SCHEDULE 1 TO PATENT CROSS LICENSE AGREEMENT
EXCLUDED PATENTS/PATENT APPLICATIONS/INVENTION DISCLOSURES**

MA 21621-1200 (683)

5

October 24, 1967

Page 5 of 11

A-6268-3 /A/THAS	PLASMA ENHANCED CHEMICAL PROCESSING REACTOR AND METHOD; Yung	USPN 0872297 FPC OF 02/501,483 Filed 07/10/95	
A-6268-1/THAS	GAS INJECTION FOR SEMICONDUCTOR PROCESSING; Yung	USPN 082546, 283 Filed 10/23/95	
A-6268-1/THAS	MULTI-USER CELLULAR NETWORK; Yung	USPN 08727,300 Filed 08/28/96	
A-6272-1/THAS	PROTECTIVE GAS SHIELD FOR CHEMICAL VAPOR DEPOSITION APPARATUS; Yung	USPN 082808,106 Filed 02/13/97	
A-6276-1/THAS	METHOD OF FORMING DIELECTRIC FILMS WITH REDUCED METAL CONTAMINATION; Yung	USPN 08253,112 Filed 12/15/95	
A-6276-1 /A/THAS	METHOD OF FORMING DIELECTRIC FILMS WITH REDUCED METAL CONTAMINATION; Yung	USPN 08259,092 Filed 12/15/96	
A-6276-1 /A/THAS	DIGITAL TO ANALOG TO MULTICARRIER POWER AMPLIFIER INTERFACE; Yung	CIP of 08257,312 Filed 12/15/95	
A-6276-1/THAS	DIELECTRIC PLANARIZATION TECHNIQUE WITH IMPROVED RELIABILITY; Yung	Closed	
A-6276-1/THAS	METHOD OF IMPROVING DEPOSITION THICKNESS CONTROL IN AN APCVD REACTOR; Yung		
A-6276-1/THAS	OPTIMIZING OF SiO ₂ FILM CONFORMALITY IN AN ATMOSPHERIC PRESSURE CHEMICAL VAPOR DEPOSITION	USPN 082801,999 Filed 02/13/97	

SCHEDULE 1 TO PATENT CROSS LICENSE AGREEMENT
INCLUDED PATENTSPATENT APPLICATIONSINVENTION DISCLOSURES

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October 26, 1997

Page 6 of 11

PATENT

A-0170417A	WIRELESS BASE STATION WITH NEAR-FAR GAIN COMPENSATION BRANCH	USPN 061213,003 Filed 03/06/97	
A-01650417A	CROSSLINKED AROMATIC POLYIMIDES AS LOW ₂ DIELECTRIC; Lee	USPN 061679,664 Filed 07/16/96	Closed
A-03071417A	METHOD OF PLANARIZING A DIELECTRIC LAYER WITH REDUCED HYDROGEN DIFFUSION; Eide		
A-03071417A	LOW K DIELECTRICS PREPARED FROM PBO/D AND PACTD OF SELECTED SILOXANES; Lee		
A-01651417A	METHOD AND APPARATUS FOR CLAMPING A SUBSTRATE; Grewing, Rg, Schmidt	USPN 061665,330 Filed 05/28/97	
A-01651417A	METHOD AND APPARATUS FOR SELF TURNING CELLULAR SYSTEM;		
A-01651417A	HIGH TEMPERATURE ROLLER MODULE; Kiefer		
A-01651417A	METHOD OF FORMING VERTICALLY EXTENDED EMBEDDED LOW K MATERIALS; Py		
A-01651417A	OPTIMIZATION OF EQ ₂ FILM CONFORMITY		
A-01651417A	MULTICARRIER POWER AMPLIFIER	Merged into A-01651417A	
A-01651417A	METHOD OF REDUCING METAL CONTAMINATION DURING SEMICONDUCTOR PROCESSING IN A REACTOR HAVING METAL COMPONENTS; Poley	USPN 061213,653 Filed 03/06/97	
A-01651417A	GAS FREDTHROUGH; Nemes	Closed	
A-01651417A	APPARATUS FOR CLAMPING COUPLED FLANGED PIPES; Mayer	USPN 061746,668 Filed 11/23/96	
A-01651417A	W71000 VPP MONITOR/ INTERLOCK; Yoon Gs		

SCHEDULE 1 TO PATENT CROSS LICENSE AGREEMENT
EXCLUDED PATENTS/PATENT APPLICATIONS/INVENTION DISCLOSURES

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7

October 20, 1997

Page 7 of 11

PATENT

A-63671A/TJTH	METHOD OF RAMPING CONTROL; Schmidt		
A-63672A/TJTH	LINEAR INJECTOR WITH VACUUM COMPATIBILITY; Mosley		
A-63673A/TJTH	DIRECT DRIVE ROTATIONAL MOTOR WITH AXIAL VACUUM; Mosley	USPN 04794,349 Filed 02/07/97	
A-63674A/TJTH	INJECTION SEAL; Mosley		
A-63675A/TJTH	EXHAUST VENT ASSEMBLY FOR CHEMICAL VAPOR DEPOSITION SYSTEMS; Mosley	USPN 04738,833 Filed 04/14/97	
A-63676A/TJTH	THERMAL CONDITIONING TOWER; Mosley		
A-63677A/TJTH	MONOBLOCK INJECTION MODIFICATION; Mosley		
A-63678A/TJTH	OPTICAL PROBE & MEASUREMENT DEVICE; Mosley		
A-63679A/TJTH	END POINT DETECTION		
A-63680A/TJTH	CERAMIC CLAMPABLE WAFER; Mosley		
A-64011A/TJTH	ELECTROSTATIC CHUCK WITH INTEGRATED GUARD RING; Park	USPN 04769,641 Filed 06/03/97	
A-64039A/TJTH	NITRIDE OXIDE CONFOUND CONDENSER; Gosselin		
A-64031A/TJTH	INVERTED HELIX PLASMA SOURCE; Park		
A-64032A/TJTH	PLASMA CONFINEMENT USING DC MAGNETIC FIELD; Mosley		
A-64033A/TJTH	PLASMA ENHANCEMENT BY COMBINING CAPACITIVE AND INDUCTIVE COUPLING; Park		
A-64034A/TJTH	IMPROVEMENT OF THE RFP SOURCE TO INCREASE THE PLASMA DENSITY AND THE UNIFORMITY; Mosley		

**SCHEDULE 1 TO PATENT CROSS LICENSE AGREEMENT
EXCLUDED PATENTS/PATENT APPLICATIONS/INVENTION DISCLOSURES**

24-7203-1, 19-0766

October 12, 1977

Page 8 of 11

A-6073-A/T/MS	NITROGEN DILUENT GAS FLOW OPERATION OF FLAT PLATE DISCHARGE CELL OZONE GENERATORS; Continued		
A-6074-A/T/MS	WAFER CARRIER; Yoo		
SS-578-AS	METHOD OF DEPOSITING SILICON DIOXIDE FILM AND PRODUCT	US 5,811,338 Filed 06/22/99	
SS-578-AS/EP	METHOD OF DEPOSITING SILICON DIOXIDE FILM AND PRODUCT	SN 06/01/01 Filed 05/01/01	
SS-578-AS/H	METHOD OF DEPOSITING SILICON DIOXIDE FILM AND PRODUCT	SN 165-05/99 Filed 06/22/99	
SS-578-AS/KOR	METHOD OF DEPOSITING SILICON DIOXIDE FILM AND PRODUCT	SN 52871199 Filed 06/22/99	
SS-578-AS/JAI	METHOD OF DEPOSITING SILICON DIOXIDE FILM AND PRODUCT	SN 50934 Filed 01/04/01	
SS-578-H	CHEMICAL VAPOR DEPOSITION REACTOR AND METHOD		US 4,993,358 02/21/91
SS-578-AS/EP	CHEMICAL VAPOR DEPOSITION REACTOR AND METHOD	SN 90114315.5 Filed 07/26/99	
SS-578-AS/J	CHEMICAL VAPOR DEPOSITION REACTOR AND METHOD	SN 20100596 Filed 07/27/99	
SS-578-AS/KOR	CHEMICAL VAPOR DEPOSITION REACTOR AND METHOD	SN 114547199 Filed 07/27/99	
SS-578-AS/JAI	CHEMICAL VAPOR DEPOSITION REACTOR AND METHOD	SN 4773 Filed 09/26/01	
SS-578-AS	MULTI-ZONE PLANAR HEATER ASSEMBLY AND METHOD OF OPERATION		US 5,851,770 08/22/01

SCHEDULE 1 TO PATENT CROSS LICENSE AGREEMENT
EXCLUDED PATENT/PATENT APPLICATIONS/INVENTION DISCLOSURES

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9

October 30, 1997

Page 9 of 11

SCHEDULE 1 TO PATENT CROSS LICENSE AGREEMENT
EXCLUDED PATENT/PATENT APPLICATION/INVENTION DISCLOSURES

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10

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Page 10 of 11

SS-578-0100C	MULTI-ZONE PLANAR HEATER ASSEMBLY AND METHOD OF OPERATION	SN 0418541 Filed 06/15/94	US 5,312,105 08/25/93
SS-578-0110	MULTI-ZONE PLANAR HEATER ASSEMBLY AND METHOD OF OPERATION	SN 102310798 Filed 08/12/94	US 5,172,391 09/07/93
SS-578-0110R	MULTI-ZONE PLANAR HEATER ASSEMBLY AND METHOD OF OPERATION	SN 147331199 Filed 09/18/94	
SS-578-0110A	MULTI-ZONE PLANAR HEATER ASSEMBLY AND METHOD OF OPERATION	SN 11351 Filed 01/23/92	
SS-578-01	CONTROLLED-CONVECTION SURFACE-MOUNT REFLOW FURNACE		
SS-578-11	METHOD AND APPARATUS FOR PRODUCING HIGHLY CONDUCTIVE AND TRANSPARENT FILMS OF TIN AND FLUORINE DOPED INDIUM OXIDE BY APCVD		
SS-578-1110V	METHOD AND APPARATUS FOR PRODUCING HIGHLY CONDUCTIVE AND TRANSPARENT FILMS OF TIN AND FLUORINE DOPED INDIUM OXIDE BY APCVD	US 5,078,657 Filed 12/24/92	
SS-578-1110FC	METHOD AND APPARATUS FOR PRODUCING HIGHLY CONDUCTIVE AND TRANSPARENT FILMS OF TIN AND FLUORINE DOPED INDIUM OXIDE BY APCVD	SN 92181329.4 Filed 02/27/92	
SS-578-111J	METHOD AND APPARATUS FOR PRODUCING HIGHLY CONDUCTIVE AND TRANSPARENT FILMS OF TIN AND FLUORINE DOPED INDIUM OXIDE BY APCVD	SN 9351892 Filed 03/12/92	
SS-578-1110R	METHOD AND APPARATUS FOR PRODUCING HIGHLY CONDUCTIVE AND TRANSPARENT FILMS OF TIN AND FLUORINE DOPED INDIUM OXIDE BY APCVD	SN 48501992 Filed 03/12/92	
Q-16172-3	FLUORINATED REED HEATER FOR SEMICONDUCTOR PROCESSING	US 5,078,657 Filed 02/27/92	

A-CROSS/ATTACH	HIGH DENSITY PLASMA CURE PROCESS FOR A CVD SYSTEM	USCN FILED
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plus, (b) all continuations, continuations-in-part, patents of addition, divisions, re-examinations, certifications, renewals, or extensions including supplemental protection certificates of any of (a) above, and (c) all foreign counterparts applied for, issued, or pending on the date of (a) or (b) above.

SCHEDULE 1 TO PATENT CROSS LICENSE AGREEMENT
EXCLUDED PATENTS/PATENT APPLICATIONS/INVENTION DISCLOSURES
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October 24, 1997

Page 11211

NOTICE OF RELINQUISHMENT AND AMENDMENT TO
AMENDED AND RESTATED
PATENT SECURITY AGREEMENT

This Notice of Relinquishment and Amendment to Amended and Restated Patent Security Agreement dated as of March 26, 1999 (this "Notice"), is entered into between TSMD ACQUISITION CORP., a Delaware corporation (the "Grantor") and FIRST UNION COMMERCIAL CORPORATION, in its capacity as collateral agent for the Lenders (in such capacity, the "Collateral Agent").

WHEREAS, the Grantor entered into that certain Patent Security Agreement, dated as of October 31, 1997 in favor of the Collateral Agent;

WHEREAS, the Grantor entered into that certain Amended and Restated Patent Security Agreement, dated as of May 29, 1998 (the "Patent Security Agreement") in favor of the Collateral Agent;

WHEREAS, pursuant to the Patent Security Agreement, the Grantor granted a security interest in favor of the Collateral Agent in the "Collateral" (as such term is defined in the Patent Security Agreement), including, without limitation, the Patents and Patent Applications listed in Schedule A attached thereto and the patent license agreements listed in Schedule B attached thereto and any Patents, applications and license agreements thereafter issued to the Grantor;

WHEREAS, the Patent Security Agreement erroneously included patents and patent applications in which the Grantor never had rights, title or interest, and in which the Grantor had no power to grant a security interest;

WHEREAS, pursuant to the Amendment to Patent Security Agreement dated as of March 26, 1999 between the Grantor and the Collateral Agent, each of the Grantor and the Collateral Agent desire to amend Schedules A and B to the Patent Security Agreement to replace Schedule A with those Patents and Patent Applications listed on Schedule A hereto and to include those Licenses listed on Schedule B hereto;

NOW, THEREFORE, the Grantor acknowledges and agrees that the Grantor does not have, nor did it ever have, any right, title, or interest in, or ownership of, the patents and patent applications listed on Schedule C attached hereto (the "Watkins Patents"); and

AND FURTHER, each of the Grantor and the Collateral Agent hereby:

- (a) confirm that they have amended (i) Schedule A to the Patent Security Agreement by replacing it with Schedule A hereto to include those Patents listed on Schedule A hereto and
- (ii) Schedule B to the Patent Security Agreement by replacing it with Schedule B hereto to include those Licenses listed on Schedule B hereto;

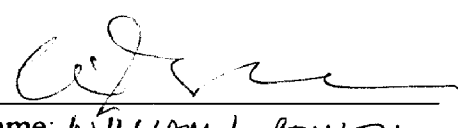
(b) give notice of such amendment;

(c) acknowledge that the Patent Security Agreement recorded in the United States Patent and Trademark Office ("USPTO") at Reel 9556 Frames 0267-0326 erroneously listed the Watkins Patents and each of the Grantor and the Collateral Agent hereby agree that there shall be recorded this Notice of Relinquishment and Amendment to Patent Security Agreement making of record the relinquishment and release of any and all purported rights to the Watkins Patents; and

(d) agree to execute all additional documents needed to record this Notice of Relinquishment and Amendment to Patent Security Agreement in the USPTO to reflect that Grantor does not have, nor did it ever have, any right, title and interest in and to the Watkins Patents.

IN WITNESS WHEREOF, this Notice has been duly executed on the date set forth above.

TSMD ACQUISITION CORP.

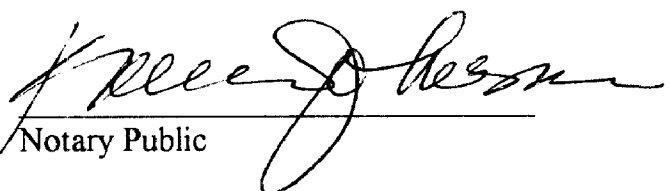
By: 

Name: WILLIAM L. REMLEY

Title: PRESIDENT

STATE OF NEW YORK)
) SS:
COUNTY OF NEW YORK)

On the 30 day of March, 1999, before me personally came WILLIAM L. REMLEY, to me known, who being by me duly sworn, did depose and say that he resides at _____; that he is the PRESIDENT of TSMD ACQUISITION CORP., the corporation described in and which accepted and agreed to the foregoing instrument; and that he signed his name thereto by authority of the managing member of said limited liability company.


Notary Public

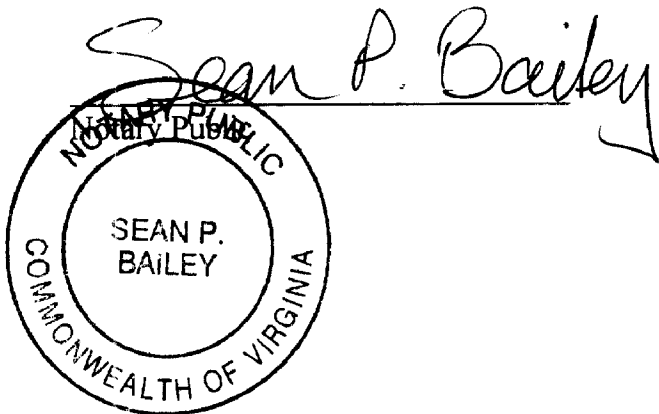
KAREN M. JOHNSON
Notary Public, State of New York
No. 01JO6005683
Qualified in New York County
Commission Expires April 20, 2000

FIRST UNION COMMERCIAL CORPORATION,
as Collateral Agent

By: [Signature]
Name: Jeff McGrath
Title: Director

STATE OF VIRGINIA)
COUNTY OF Fairfax) SS:

On the 29TH day of March, 1999, before me personally came JEFF MCGRATH
to me known, who being by me duly sworn, did depose and say that he resides at
_____; that he is the DIRECTOR of FIRST
UNION COMMERCIAL CORPORATION, the corporation described in and which accepted and
agreed to the foregoing instrument; and that he signed his name thereto by authority of the board
of directors of said corporation.



My Comm. Exps.
Sept. 30, 2003

\\ODMA\PCDOCS\NEWYORK\101289\1

SCHEDULE A
TO
PATENT SECURITY AGREEMENT
(TSMD ACQUISITION CORP.)

Dated as of May 29, 1998

Patents and Material Patent Applications/Pending Patent Disclosures

None

SCHEDULE B
TO
PATENT SECURITY AGREEMENT
(TSMD ACQUISITION CORP.)

Dated as of May 29, 1998

License Agreements

LICENSES FROM THE GRANTOR TO OTHER COMPANIES

None

LICENSES FROM OTHER COMPANIES TO THE GRANTOR

Each of the Licenses set forth on Exhibit B were licensed to TSMD Acquisition Corp. pursuant to that Cross-License Agreement among Watkins-Johnson Company, Stellex Microwave Systems, Inc. and TSMD Acquisition Corp.

EXHIBIT B
TO
TSMD ACQUISITION CORP.
PATENT SECURITY AGREEMENT

Reference No.	Title/Inventor	Serial No./Filing Date	Patent No./Issue Date	Country
A-49500-AJT	LINEARIZED ATTENUATOR; Fisher	Closed		
A-50064/AJT	METHOD OF FABRICATING MICROWAVE FET HAVING GATE WITH SUBMICRON LENGTH; GALLIUM-ARSENIC, ALUMINUM AND FLUORINATED POLYMER Striffler, Cantos	USSN 388,627 Filed 08/01/89	US 4,935,377 Issued 06/19/90	
FA-50064-JP/AJT	METHOD OF FABRICATING MICROWAVE FET HAVING GATE WITH SUBMICRON LENGTH; GALLIUM-ARSENIC, ALUMINUM AND FLUORINATED POLYMER Striffler, Cantos	Appl. 02-181366 Filed 07/09/90		Japan
A-57779-AJT	METHOD OF FABRICATING GROUP III-IV COMPOUND SEMICONDUCTOR DEVICES USING SELECTIVE ETCHING/Brunemeier, Remba, Resenblatt, Schmukler, Striffler	USSN 37,074 Filed 03/25/93	US 5,374,328 Issued 12/20/94 UNDER REISSUE	
FA-57779-IL/AJT	ETCH STOP MMIC PROCESS/Brunemeier, Remba, Resenblatt, Schmukler, Striffler	Appl. 108762 Filed 02/24/94	IL 108762 Issued 02/28/96	Israel
FA-57779-JP/AJT	ETCH STOP MMIC PROCESS/Brunemeier, Remba, Resenblatt, Schmukler, Striffler	Appl. 6-521065 Filed 03/03/94		Japan
FA-57779-KR/AJT	ETCH STOP MMIC PROCESS/Brunemeier, Remba, Resenblatt, Schmukler, Striffler	Appl. 704223/94 Filed 03/03/94		South Korea
FE-57779-EP/AJT	METHOD OF FABRICATING GROUP III-IV COMPOUND SEMICONDUCTOR DEVICES USING SELECTIVE ETCHING/Brunemeier, Remba, Resenblatt, Schmukler, Striffler	Appl. 94910829.4 Filed 03/03/94		Europe

Reference No.	Inventor	Serial No./ Filed Date	Patent No./ Issued Date	PCT
FP-57779-PC/AJT	METHOD OF FABRICATING GROUP III-IV COMPOUND SEMICONDUCTOR DEVICES USING SELECTIVE ETCHING/Brunemeler, Remba, Resenblatt, Schmukler, Striffler	Appl. PCT/US94/02328 Filed 03/03/94		
RI-57779-1/AJT/MSS	METHOD OF FABRICATING GROUP III-IV COMPOUND SEMICONDUCTOR DEVICES USING SELECTIVE ETCHING/Brunemeler, Remba, Resenblatt, Schmukler, Striffler	USSN 08/751,776 Filed 12/05/96 Reissue Appl. of U.S. Pat. 6,374,328 Issued 12/20/94		
A-58046/AJT	BIASED FET MIXER / Vice	USSN 149,671 Filed 11/09/93	US 5,513,390 Issued 04/30/96	
A-58410/AJT	FET MIXER HAVING TRANSMISSION LINE TRANSFORMER/Vice	USSN 08/004,234 Filed 01/14/93	US 5,361,409 Issued 11/01/94	
A-58410-1/AJT/RMA	BALANCED REFLECTION TRANSFORMER/Vice	USSN 08/105,292 Filed 08/10/93	ABANDONED	
A-58410-2/AJT/RMA	BALANCED REFLECTION TRANSFORMER/Vice	USSN 08/376,126 Filed 01/19/95	US 5,551,074 Issued 08/07/96	
A-58410-3/AJT/RMA	METHOD AND APPARATUS FOR REDUCING INTERMODULATION DISTORTION IN A MIXER	USSN 08/574,071 Filed 12/18/95		
A-60388/AJT/RMA	UNBALANCED FET MIXER/ LJ et al.	USSN 08/333,775 Filed 11/03/94		
FA-60388-CA/AJT	UNBALANCED FET MIXER /LJ et al	Appl. 2174395 Filed 04/17/96		Canada
FA-60388-JP/AJT	UNBALANCED FET MIXER /LJ et al	Appl. 8-95461 Filed 04/17/96		Japan

Reference No.	Inventors	Serial No. Filing Date	Patent No. Issue Date	Foreign Countries
FA-60388-KR/AJT	UNBALANCED FET MIXER /LI et al	Appl. 11527/96 Filed 04/17/96		South Korea
FE-60388-EP/AJT	UNBALANCED FET MIXER /LI et al	Appl. 96302777.6 Filed 04/19/96		Europe
A-60917/AJT/RMA	COMPENSATED RING MIXERS	USSN 08/420,249 Filed 04/11/95		
FP-60917-PC/AJT/RMA	COMPENSATED RING MIXERS	Appl. PCT/US96/05061 Filed 04/11/96		PCT
A-61004/AJT/RMA	TRIPLE BALANCED PASSIVE TRANSMISSION FET MIXER	USSN 08/575,294 Filed 12/20/95		
FP-61004-PC/AJT/RMA	TRIPLE BALANCED PASSIVE TRANSMISSION FET MIXER	Appl. PCT/US96/19964 Filed 12/18/96		PCT
A-62381/AJT/RMA	QUASI-DOUBLE BALANCED PASSIVE REFLECTION FET MIXER/Vice	USSN 08/575,409 Filed 12/20/95		
FP-62381-PC/AJT/RMA	QUASI-DOUBLE BALANCED PASSIVE REFLECTION FET MIXER/Vice	Appl. PCT/US96/20548 Filed 12/18/96		PCT
A-62382/AJT/RMA	QUASI-DOUBLE BALANCED DUAL TRANSFORMER DUAL FET MIXER , WHICH ACHIEVES BETTER ISOLATION BY USING A FIRST AND SECOND DIPLEXER, AND A TRANSMISSION LINE RF BALUN /Vice	USSN 08/575,293 Filed 12/20/95		
FP-62382-PC/AJT/RMA	QUASI-DOUBLE BALANCED DUAL- TRANSFORMER PASSIVE REFLECTION FET MIXER	Appl. PCT/US96/19965 Filed 12/18/96		PCT
A-62592/AJT/MSS	METHOD OF CHARACTERIZING GROUP III-V EPITAXIAL SEMICONDUCTOR WAFERS INCORPORATING AN ETCH STOP LAYER	USSN 08/571,518 Filed 12/13/95	US 5,639,343 Issued 06/17/97	

Reference No.	Inventors	Serial No./ Filing Date	Patent No./ Issue Date	Country
FP-62592-PC/AJT/MSS	METHOD OF CHARACTERIZING GROUP III-V EPITAXIAL SEMICONDUCTOR WAFERS INCORPORATING AN ETCH STOP LAYER	Appl. PCT/US96/19406 Filed 12/06/96		PCT
A-63333/AJT/MSS	A MULTI-LAYER PRINTED WIRING BOARD HAVING INTEGRATED BROADSIDE MICROWAVE COUPLER/I	USSN 08/661,334 Filed June 14, 1996		
FA-63333-TW/AJT/MSS	A MULTI-LAYER PRINTED WIRING BOARD HAVING INTEGRATED BROADSIDE MICROWAVE COUPLER/I	Appl. 86108238 Filed 06/12/97		Taiwan
FP-63333-PC/AJT/MSS	PRINTED CIRCUIT BOARD HAVING INTEGRATED BROADSIDE MICROWAVE COUPLER/I	Appl. PCT/US97/09236 Filed 05/28/97		PCT
A-63334/AJT	Co-Planar Waveguide Coupler/Frick	USSN 08/643,852 Filed May 6, 1996	US 5,629,654 Issued 05/13/97	
FP-63334-PC/AJT	Co-Planar Waveguide Coupler/Frick	Appl. PCT/US97/08298 Filed 05/06/97		PCT
A-63348/AJT/MSS	METHOD OF FABRICATING SUB-MICRON GATE ELECTRODE BY ANGLE AND DIRECT EVAPORATION; Striller, Lee, Hitchens, Remba	USSN 08/638,950 Filed April 24, 1996	US 5,652,179 Issued 07/29/97	
A-64020/AJT	ELECTROMAGNETIC IMPULSE SUPPRESSION CIRCUIT/Ballantonl	USSN 08/811,111 Filed 03/03/97		
A-64186/AJT/RMA	TOTEM POLE MIXER HAVING GROUNDED SERIALLY CONNECTED STACKED FET PAIR/Vice	USSN Filed		
A-62726/AJT	CONNECTOR ASSEMBLY FOR DETACHABLY CONNECTING A PRINTED WIRING BOARD TO A COAXIAL TRANSMISSION LINE /Tobias, Bellantonl	USSN 08/563,299 Filed 11/28/95	US 5,613,859 Issued 03/25/97	

Patent No.	Applicant	Inventor	Serial No.	Filed Date	Country
FA-62726-JP/AJT	CONNECTOR ASSEMBLY FOR DETACHABLY CONNECTING A PRINTED WIRING BOARD TO A COAXIAL TRANSMISSION LINE /Tobias, Bellantoni		Appl. 8-315230 Filed 11/26/96		Japan
FA-62726-KR/AJT	CONNECTOR ASSEMBLY FOR DETACHABLY CONNECTING A PRINTED WIRING BOARD TO A COAXIAL TRANSMISSION LINE /Tobias, Bellantoni		Appl. 58641/96 Filed 11/28/98		South Korea
A-62726-1	CONNECTOR ASSEMBLY FOR DETACHABLY CONNECTING A PRINTED WIRING BOARD TO A COAXIAL TRANSMISSION LINE /Tobias, Bellantoni		USSN 08/744,623 Filed 11/06/96		
A-65043/AJT/RMA	TRIPLE BALANCED REFLECTION FET MIXER WITH SQUARE WAVE LOCAL OSCILLATOR WAVEFORM REGENERATION; Vice				

**SCHEDULE C
TO
PATENT SECURITY AGREEMENT
(TSMD ACQUISITION CORP.)**

The Watkins Patents

See Exhibit C attached hereto

SCHEDULE I TO LICENSE AGREEMENT

EXCLUDED PATENT APPLICATIONS/INVENTION DISCLOSURES

The following are excluded from license or transfer to ISMD:

(a)

A-10178-11A1T	LOW TEMPERATURE CHEMICAL VAPOR DEPOSITION OF SILICON DIOXIDE	USPN 07/063,777 Filed 06/21/97	US 4,835,054 Issued 07/04/99
A-10178-11A1T	CVD REACTOR AND GAS INJECTION SYSTEM	USPN 07/064,126 Filed 06/27/97	US 4,834,022 Issued 05/04/99
A-10335A1T	RAPID INFLARED CURING OF PHENOLPHENOLICS; Alloy	Class 7	
A-01041A1T	IMPROVED RECEIVER SENSITIVITY; Taylor	Class 7	
A-40081A1T	ATMOSPHERIC PRESSURE CHEMICAL VAPOR DEPOSITION APPARATUS AND METHOD; Bartholomew	USPN 07/138,406 Filed 12/04/97	US 4,834,010 Issued 05/20/99
A-4033A1T	CLEAN ROOM ROBOT; Soren	USPN 07/069,191 01/24/97	US 4,787,413 11/29/98
A-40331A1T	METHOD OF IMPROVING STEP COVERAGE OF DIELECTRIC IN YELI CIRCUITS; Shambhoo	USPN 06/907,509 Filed 07/25/96	
A-40331-11A1T	METHOD OF IMPROVING STEP COVERAGE OF DIELECTRIC IN YELI CIRCUITS; Shambhoo	USPN 214,919 Filed 06/27/98	
A-4744A1T	CHEMICAL VAPOR DEPOSITION OF SILICON DIOXIDE USING HEXAMETHYLDISILAZANE; Gokuladi	USPN 07/139,836 01/21/98	
A-4744-11A1T	CHEMICAL VAPOR DEPOSITION OF SILICON DIOXIDE USING HEXAMETHYLDISILAZANE; Gokuladi	USPN 07/139,839 Filed 11/23/97	
A-4744-21A1T	CHEMICAL VAPOR DEPOSITION OF SILICON DIOXIDE USING HEXAMETHYLDISILAZANE; Gokuladi	USPN 07/139,839 11/17/98	

SCHEDULE I TO PATENT CROSS LICENSE AGREEMENT
EXCLUDED PATENTS/PATENT APPLICATIONS/INVENTION DISCLOSURES

9/10/99 001-5077-1/1

Page 1 of 11
October 24, 1997

Exhibit C

A-474663 /AJTNS3	CHEMICAL VAPOR DEPOSITION USING DISSILANE; Goodrich	USSN 07120, 772 Filed 10/27/94	
A-520461AJT	ELECTRICALLY INSULATED PIPE COUPLING APPARATUS; Goodrich	USSN 071578, 123 Filed 08/17/90	US 5,088,373 Issued 02/18/92
A-533533AJTWSG	EJECTOR AND METHOD FOR DELIVERING GASEOUS CHEMICALS TO A SURFACE; Borchers	USSN 071542, 243 Filed 06/21/90	US 5,234,975 Issued 08/21/92
A-533534AJTWSG	SELF CLEANING ORIFICE; Lemire	USSN 071513, 807 Filed 06/24/90	US 5,123,719 Issued 05/29/92
A-538353AJT	U-SHAPED HEATER LINES; Warner	USSN 071601, 261 Filed 10/27/90	
A-538361AJT	LIQUID SOURCE BUBBLER; Mead	USSN 071601, 278 Filed 10/27/90	US 5,071,313 Issued 01/07/92
A-538377AJT	X-RAY TUBE INCLUDING FLUID X-RAY SOURCE; Goodrich	Closed	
A-538391AJT	LIQUID LEVEL SENSOR ASSEMBLY; Goodrich	USSN 071601, 406 Filed 10/27/90	US 5,019,472 Issued 07/09/91
A-538402AJT	VAPOR DELIVERY SYSTEM	Closed	
A-538416AJT	CHEMICAL REFILL SYSTEM	Closed	
A-538490AJT	HEATER FOR PROCESSING GASES; Goodrich	USSN 071671, 059 Filed 11/04/92	US 5,377,309 Issued 12/22/94
A-538498AJT	LOW PHASE NOISE REFERENCE OSCILLATOR; Nord	USSN 071691, 015 Filed 07/21/93	US 5,342,170 Issued 08/23/94
A-538500AJT	MINI GAS FLOW		
A-538517AJT	RFSG STABILITY ENHANCING CAP LAYER; Baggett	Closed	

SCHEDULE 1 TO PATENT CROSS LICENSE AGREEMENT
EXCLUDED PATENTS/PATENT APPLICATIONS/INVENTION DISCLOSURES

07/11/97-07/11/97

October 24, 1997

2

Page 2 of 11

A-5772A/1	OXONE PRETREATMENT FOR EMPLOYED VIA RESISTANCE; Cure	Class	US 5,946,300 Filed 08/13/94
A-5772A/1	CHEMICAL VAPOR DEPOSITION OF SILICON DIOXIDE USING HEXAMETHYLDISILAZANE Dimer	US 5,946,300 Filed 08/13/94	US 5,946,300 Filed 08/13/94
A-5801A/1	A THIN FILM SEMICONDUCTOR DEVICE AND METHOD; Hemide	US 5,946,300 Filed 08/13/94	US 5,946,300 Filed 08/13/94
A-5801A/1	METHOD OF MANUFACTURING A GLASS SUBSTRATE FOR A THIN FILM; Hemide	US 5,946,300 Filed 08/13/94	US 5,946,300 Filed 08/13/94
A-5801A/1	METHOD OF MANUFACTURING A GLASS SUBSTRATE FOR A THIN FILM; Hemide	US 5,946,300 Filed 08/13/94	US 5,946,300 Filed 08/13/94
A-5801A/1	METHOD OF MANUFACTURING SIDE WALLS AND SEMICONDUCTOR DEVICE HAVING SIDE WALLS; Hemide	US 5,946,300 Filed 08/13/94	US 5,946,300 Filed 08/13/94
A-5801A/1	METHOD OF MANUFACTURING SIDE WALLS AND SEMICONDUCTOR DEVICE HAVING SIDE WALLS; Hemide	US 5,946,300 Filed 08/13/94	US 5,946,300 Filed 08/13/94
A-5801A/1	TRISILOXANE (GEL) AS A PRECURSOR FOR THE DEPOSITION OF SiO ₂ Schott	US 5,946,300 Filed 08/13/94	US 5,946,300 Filed 08/13/94
A-5801A/1	SINGLE BODY INJECTOR FOR DELIVERING GASES TO A SURFACE; Hemide	US 5,946,300 Filed 08/13/94	US 5,946,300 Filed 08/13/94

SCHEDULE 1 TO PATENT CROSS LICENSE AGREEMENT
EXCLUDED PATENTS/PATENT APPLICATIONS/INVENTION DISCLOSURES

US 5,946,300

3

October 24, 1999

Page 3 of 11

SCHEDULE 1 TO PATENT CROSS LICENSE AGREEMENT
EXCLUDED PATENTS/PATENT APPLICATIONS/INVENTION DISCLOSURES

5/17/97-5/17/97

October 28, 1997

4

Page 4 of 11

A-5971-1 /A17MSS	SINGLE BODY INJECTOR AND METHOD FOR DELIVERING GASES TO A SURFACE; Dababney	USPN 60431,573 Filed 05/12/95	
A-5971-2 /A17MSS	SINGLE BODY INJECTOR FOR DELIVERING GASES TO A SURFACE; Dababney	USPN 60403,046 Filed 05/04/97	
A-5971-3 /A17MSS	SINGLE BODY INJECTOR FOR DELIVERING GASES TO A SURFACE; Dababney	USPN 60403,400 Filed 07/14/97	
A-6003/A17DCA	ARCHITECTURE FOR EFFICIENT INTERPOLATION; Zhen	USPN 60398,457 Filed 01/16/95	
A-6003-A17DCA	ARCHITECTURE FOR EFFICIENT INTERPOLATION; DM	USPN 60403,877 Filed 12/10/96	
A-6004 /A17MSS	METHOD OF PLANARIZING A LAYER OF MATERIAL; Pj	USPN 60407,980 Filed 5/23/95	US 5,689,063 Issued 09/15/97
A-6005/A17MSS	METHOD OF FORMING A FLUORINATED SILICON OXIDE LAYER USING PLASMA CHEMICAL VAPOR DEPOSITION; Qian	USPN 60404,643 Filed 02/08/95	US 5,571,576 Issued 12/08/96
A-6007/A17	CELLULAR TELEPHONE LOCATING SYSTEM BASED ON TIME DIFFERENCES OF ARRIVAL (TDOA);	Closed	
A-6007/A17DCA	METHOD AND APPARATUS FOR ADAPTIVE ANTENNA BEAM FORMING IN A WIRELESS COMMUNICATION SYSTEM; Balogh	USPN 60394,033 Filed 01/22/95	
A-6017-A17DCA	METHOD AND APPARATUS FOR ADAPTIVE ANTENNA BEAM FORMING IN A WIRELESS COMMUNICATION SYSTEM; Balogh	USPN 60402,046 Filed 04/16/95	
		USPN 60403,403 Filed 02/22/95	

A-0015A17DCA	WIRELESS COMMUNICATION NETWORK USING TIME-VARYING VECTOR CHANNEL EQUALIZATION FOR ADAPTIVE SPATIAL EQUALIZATION; Rnqz	US57 82735, 866 Filed 10/7/95
A-0035A17DCA	DISTRIBUTED MICROCELLULAR COMMUNICATIONS SYSTEM; Rnqz	US58 02011, 899 Filed 11/8/95
A-0111A17DCA	SYSTEM AND METHOD FOR DYNAMIC CHANNEL ALLOCATION IN A CELLULAR COMMUNICATION NETWORK Pnqz	US59 02411, 574 Filed 03/8/97
A-0119A17DCA	DIGITAL BASE STATION FOR CELLULAR COMMUNICATION SYSTEM; Rnqz	US59 02394, 175 Filed 07/13/95
A-0125A17DEM	ELECTRONIC CHUCK ASSEMBLY; Pnqz	US59 02509, 439 Filed 07/18/95
A-0135-A17DEM	ELECTROSTATIC CHUCK ASSEMBLY; Pnqz	US59 02583, 365 Filed 06/26/97
A-0155A17DEM	GAS DISTRIBUTION APPARATUS; Nnqz	US59 02609, 841 Filed 07/20/95
A-0200A17DCA	SPREAD SPECTRUM BANDTRANSCIVER; Rnqz	US59 02714, 839 Filed 06/19/96
A-0208A17DEM	STRESS RELIEF OF APCVD OXIDE FILMS; Pnqz	US59 02794, 237 Filed 08/27/96
A-0216A17DEM	PLASMA ENHANCED CHEMICAL PROCESSING REACTOR AND METHOD; Pnqz	US59 02801, 483 Filed 07/18/95
A-0216-A17DEM	PLASMA ENHANCED CHEMICAL PROCESSING REACTOR AND METHOD; Pnqz	US59 02804, 212 Filed 02/21/97
		Dr. of 002304, 493 Filed 07/18/95

**SCHEDULE 1 TO PATENT CROSS LICENSE AGREEMENT
EXCLUDED PATENTS/PATENT APPLICATIONS/INVENTION DISCLOSURES**

October 1997

Page 5 of 11

A-6208-3 /ATTN	PLASMA ENHANCED CHEMICAL PROCESSING REACTOR AND METHOD; Yano	USCN 08/12/97 FPC OF 08/28/93 Filed 07/10/95	
A-6208-4/ATTN	GAS INJECTION FOR SEMICONDUCTOR PROCESSING; Yano	USCN 08/25/93 Filed 10/13/95	
A-6208-5/ATTN	MULTI-USER CELLULAR NETWORK; Yano	USCN 08/17/97 Filed 08/20/96	
A-6208-6/ATTN	PROTECTIVE GAS SHIELD FOR CHEMICAL VAPOR DEPOSITION APPARATUS; Yano	USCN 08/20/96 Filed 02/13/97	
A-6208-7/ATTN	METHOD OF FORMING DIELECTRIC FILMS WITH REDUCED METAL CONTAMINATION; Corbett	USCN 08/23/93 Filed 12/15/95	
A-6208-8/ATTN	METHOD OF FORMING DIELECTRIC FILMS WITH REDUCED METAL CONTAMINATION; Corbett	USCN 08/23/93 Filed 12/15/95	
A-6208-9/ATTN	DIGITAL TO ANALOG TO MULTICHANNEL POWER AMPLIFIER INTERFACE; Kim		
A-6209-1/ATTN	DIELECTRIC PLANARIZATION TECHNIQUE WITH IMPROVED UNIFORMITY; Kohn	Closed	
A-6209-2/ATTN	METHOD OF IMPROVING DEPOSITION THICKNESS CONTROL IN AN APCVD REACTOR; Yano		
A-6209-3/ATTN	OPTIMIZING OF SiO ₂ FILM CONFORMALITY IN AN ATMOSPHERIC PRESSURE CHEMICAL VAPOR DEPOSITION	USCN 08/01/97 Filed 02/18/97	

SCHEDULE 1 TO PATENT CROSS LICENSE AGREEMENT
 INCLUDED PATENTS/PATENT APPLICATIONS/INVENTION DISCLOSURES

FILED 08/23/97

October 20, 1997

Page 6 of 11

A-01701/1701A	WIRELESS BASE STATION WITH NEAR-FAR GAIN COMPENSATION BRANCH	USPN 08003,003 Filed 07/04/97	
A-01650/1701A	CROSSELINKED AROMATIC POLYMERS AS LOW DIELECTRIC; L46	USPN 08007,004 Filed 07/04/96	
A-01647/1701A	METHOD OF PLAMINIZING A DIELECTRIC LAYER WITH REDUCED HYDROGEN DIFFUSION; B46b		CLOSED
A-01591/1701A	LOW DIELECTRIC PREPARED FROM PECTO AND PACTO OF SELECTED SILOXANES; L41		
A-01657/1701A	METHOD AND APPARATUS FOR CLAMPING A SUBSTRATE; Crown, Rg, Scholz	USPN 08003,330 Filed 05/21/97	
A-01658/1701A	METHOD AND APPARATUS FOR SELF TURNING CELLULAR SYSTEM		
A-01600/1701A	HIGH TEMPERATURE ROLLER MODULE; Kshar		
A-01601/1701A	METHOD OF FORMING VERTICALLY EXTENDED EMBEDDED LOW K MATERIALS; Py		
A-01601/1701A	OPTIMIZATION OF EQ, FILM CONFORMITY		
A-01601/1701A	MULTICARRIER POWER AMPLIFIER	Merged into A-01601	
A-01601/1701A	METHOD OF REDUCING METAL CONTAMINATION DURING SEMICONDUCTOR PROCESSING IN A REACTOR HAVING METAL COMPONENTS; Bddy	USPN 08003,653 Filed 03/05/97	
A-01601/1701A	GAS PERMEABILITY; Nkrus	Closed	
A-01601/1701A	APPARATUS FOR CLAMPING COUPLED FLANGED PIPES; Mctos	USPN 08004,608 Filed 11/21/96	
A-01601/1701A	W1000 YIP MONITOR ENTERLOCK; Yem Or		

SCHEDULE 1 TO PATENT CROSS LICENSE AGREEMENT
EXCLUDED PATENT/PATENT APPLICATIONS/INVENTION DISCLOSURES
7
END 001-1017.0

October 20, 1997

Page 7 of 11

A-6071A11A11000	METHOD OF SAMPLING CONTROL; Schmidt		
A-6071A11A11000	LINEAR INJECTION WITH VACUUM COMPATIBILITY; Montague		
A-6071A11A11000	DIRECT DRIVE ROTATIONAL MOTOR WITH AXIAL VACUUM; Montague	USPN 08751,300 Filed 02/07/97	
A-6071A11A11000	INJECTION SEAL; ASHw		
A-6071A11A11000	EXHAUST VENT ASSEMBLY FOR CHEMICAL VAPOR DEPOSITION SYSTEM; Montague	USPN 08030,003 Filed 06/14/97	
A-6071A11A11000	THERMAL CONDITIONING TOWER; Kolar		
A-6071A11A11000	MONOBLOCK INJECTION MODIFICATION; Montague		
A-6071A11A11000	OPTICAL PROBE & MEASUREMENT DEVICE; Schenker		
A-6071A11A11000	END POINT DETECTION		
A-6071A11A11000	CERAMIC CLAMPABLE WAFER; Ede		
A-6071A11A11000	ELECTROSTATIC CHUCK WITH INTEGRATED GROUND RING; Park	USPN 08708,041 Filed 06/03/97	
A-6071A11A11000	MIXER DIODE COMPOUND CONDENSER; Chandra		
A-6071A11A11000	INVERTED HELIX PLASMA SOURCE; Park		
A-6071A11A11000	PLASMA CONFINEMENT USING DC MAGNETIC FIELD; Chandra		
A-6071A11A11000	PLASMA ENHANCEMENT BY CONTINUING CAPACITIVE AND INDUCTIVE COUPLING; Park		
A-6071A11A11000	IMPROVEMENT OF THE RF SOURCE TO INCREASE THE PLASMA DENSITY AND THE UNIFORMITY; Chandra		

SCHEDULE 1 TO PATENT CROSS LICENSE AGREEMENT
EXCLUDED PATENTS/PATENT APPLICATIONS/INVENTION DISCLOSURES

DATE: 1-20-99

October 20, 1997

Page 8 of 11

A-4072A/ATMSS	NITROGEN DILUTANT GAS FLOW OPERATION OF FLAT PLATE DISCHARGE CELL OZONE GENERATORS; Continued		
A-4072A/ATMSS	WATER CARRIER; Y=0		
SS-578-45	METHOD OF DEPOSITING SILICON DIOXIDE FILM AND PRODUCT	US 5,617,779 Filed 06/23/99	
SS-578-45/EP	METHOD OF DEPOSITING SILICON DIOXIDE FILM AND PRODUCT	SN 09/04/01 Filed 03/01/02	
SS-578-45/1	METHOD OF DEPOSITING SILICON DIOXIDE FILM AND PRODUCT	SN 10/09/00 Filed 06/23/99	
SS-578-45/10R	METHOD OF DEPOSITING SILICON DIOXIDE FILM AND PRODUCT	SN 10/09/00 Filed 06/23/99	
SS-578-45/1A1	METHOD OF DEPOSITING SILICON DIOXIDE FILM AND PRODUCT	SN 10/09/00 Filed 06/23/99	
SS-578-46	CHEMICAL VAPOR DEPOSITION REACTOR AND METHOD	SN 10/09/00 Filed 06/23/99	US 5,973,359 06/23/99
SS-578-46/EP	CHEMICAL VAPOR DEPOSITION REACTOR AND METHOD	SN 10/11/01 Filed 07/26/99	
SS-578-46/1	CHEMICAL VAPOR DEPOSITION REACTOR AND METHOD	SN 10/10/00 Filed 07/27/99	
SS-578-46/10R	CHEMICAL VAPOR DEPOSITION REACTOR AND METHOD	SN 11/05/01 Filed 07/27/99	
SS-578-46/1A1	CHEMICAL VAPOR DEPOSITION REACTOR AND METHOD	SN 11/07/01 Filed 07/26/99	
SS-578-47	MULTI-ZONE PLANAR HEATER ASSEMBLY AND METHOD OF OPERATION		US 5,631,770 10/22/97

SCHEDULE 1 TO PATENT CROSS LICENSE AGREEMENT
EXCLUDED PATENTS/PATENT APPLICATIONS/INVENTION DISCLOSURES

FILED 09/11/01/01/01

9

October 24, 1997

Page 9 of 11

SS-578-0107C	MULTI-ZONE PLANAR HEATER ASSEMBLY AND METHOD OF OPERATION	US 4,012,745 FEB 10 1977	
SS-578-0110	MULTI-ZONE PLANAR HEATER ASSEMBLY AND METHOD OF OPERATION	US 4,012,745 FEB 10 1977	
SS-578-0110R	MULTI-ZONE PLANAR HEATER ASSEMBLY AND METHOD OF OPERATION	US 4,012,745 FEB 10 1977	
SS-578-0117A1	MULTI-ZONE PLANAR HEATER ASSEMBLY AND METHOD OF OPERATION	US 4,012,745 FEB 10 1977	
SS-578-0117-08	CONTROLLED-CONVECTION SURFACE-MOUNT REFLOW FURNACE	US 4,012,745 FEB 10 1977	
SS-578-11	METHOD AND APPARATUS FOR PRODUCING HIGHLY CONDUCTIVE AND TRANSPARENT FILMS OF TIN AND FLUORINE DOPED INDIUM OXIDE BY APCVD	US 4,012,745 FEB 10 1977	
SS-578-11/01V	METHOD AND APPARATUS FOR PRODUCING HIGHLY CONDUCTIVE AND TRANSPARENT FILMS OF TIN AND FLUORINE DOPED INDIUM OXIDE BY APCVD	US 4,012,745 FEB 10 1977	
SS-578-11/01C	METHOD AND APPARATUS FOR PRODUCING HIGHLY CONDUCTIVE AND TRANSPARENT FILMS OF TIN AND FLUORINE DOPED INDIUM OXIDE BY APCVD	US 4,012,745 FEB 10 1977	
SS-578-11/1J	METHOD AND APPARATUS FOR PRODUCING HIGHLY CONDUCTIVE AND TRANSPARENT FILMS OF TIN AND FLUORINE DOPED INDIUM OXIDE BY APCVD	US 4,012,745 FEB 10 1977	
SS-578-11/10R	METHOD AND APPARATUS FOR PRODUCING HIGHLY CONDUCTIVE AND TRANSPARENT FILMS OF TIN AND FLUORINE DOPED INDIUM OXIDE BY APCVD	US 4,012,745 FEB 10 1977	
Q-16378-3	FLUORIZED BED HEATER FOR SEMICONDUCTOR PROCESSING	US 4,012,745 FEB 10 1977	

SCHEDULE 1 TO PATENT CROSS LICENSE AGREEMENT
EXCLUDED PATENT/PATENT APPLICATIONS/INVENTION DISCLOSURES

DATE: 09/15/07

10

DATE: 12/19/71

Page 10 of 11

A-03334/77/US	HIGH DENSITY PLASMA CLEAN PROCESS FOR A CVD SYSTEM	DECN 1994
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plus, (b) all continuations, continuations-in-part, patents of addition, divisions, re-examinations, certifications, renewals, or extensions including supplemental protection certificates of any of (a) above, and (c) all foreign counterparts applied for, issued, or pending on, in, of (a) or (b) above.

SCHEDULE 1 TO PATENT CROSS LICENSE AGREEMENT
EXCLUDED PATENTS/PATENT APPLICATIONS/INVENTION DISCLOSURES

1997 PWT-44071.71

11

October 28, 1994

Page 11 of 11