the W0301       Solution       U.S. Patent and Trademark         OMB No. 065/10207 (exp. 5/31/2002)       101730796	N. 1 8 2001	$D_{\Sigma}$
1. Name of conveying party(ies): Supple B. German         2. Name and address of receiving party(ies): Name:	$\begin{array}{c} \hline \text{(Rev. 03/01)} & \textbf{5.18.01} \\ \hline \text{(NB No. 0651-0027 (exp. 5/31/2002)} \\ \hline \text{Tab settings} & \Rightarrow \Rightarrow & \textbf{10173} \\ \hline \end{array}$	0796
Name:       SAL, FAC,         Name:       Salar         Nature of conveyance:       Name:         Security Agreement       Change of Name         Other       City:         Security Agreement       Change of Name         Other       City:         Execution Date:       Catober 11, 1999         Additional 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)       B. Patent No.(s)         Op/[332, 206       Additional number of applications and patents involved:         S. Name and address of party to whom correspondence       6. Total number of applications and patents involved:         Name:       Same:       Same:         Street Address:       ST       Same:         Street Address:       ST       Same:         Internal Address:       Commerce 10 and the opplications and patents involved:         City:       Statement and signature.       City CT         St		
3. Nature of conveyance:       Merger         Assignment       Merger         Security Agreement       Change of Name         Other       City <u>EBuHIA</u> to State: <u>UT</u> zip <u>P</u> Additional 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. Papication 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)       B. Patent No.(s)         Off       Street Address of party to whom correspondence concerning document should be mailed:         Name: <u>Dentes</u> <u>M. Lees</u> Internal Address:       G. Total number of applications and patents involved:         Total fee (37 CFR 3.41)	Franz L. Rauch Robert H. Hecklin William R. Frinch Heinz Sieger	Name: <u>SAL, IAC,</u> A Internal Address:
X       Assignment       Image of Name         Security Agreement       Change of Name       Street Address:       Z1 Gregory Dri         Other       City 5. Borl 114 tot State: VT zip       Zip         Execution Date:       Other II, 1999       Additional name(s) & address(es) attached?       Yes X         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:       B. Patent No.(s)       B. Patent No.(s)         09/332,206       Additional numbers attached?       Yes X       No         5. Name and address of party to whom correspondence concerning document should be mailed:       6. Total number of applications and patents involved:         Name:       Jenets M. Lees       Authorized to be charged to deposit account         Street Address:       JEDESTERT Prive         Street Address:       Total fee (37 CFR 3.41)		
City: S. Burling to State: VT zip: State         Execution Date: October 11, 1999         Additional name(s) & address(es) attached? Yes X         Additional name(s) & address(es) attached? Yes X         Additional 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)       B. Patent No.(s)         Or 4/332,206         Additional numbers attached? Yes No         5. Name and address of party to whom correspondence concerning document should be mailed:         Name: Jetter M., Lees         Internal Address:       6. Total number of applications and patents involved:         7. Total fee (37 CFR 3.41)	Assignment Generation Merger	Street Address: 21 Gregory Dril
If this document is being filed together with a new application, the execution date of the application is:   A. Patent Application No.(s) $oq/332,206$ Additional numbers attached?   Yes   Additional numbers attached?   Street Address:   Street Address:   Street Address:   Street Address:   Street Address:   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.   Street Address:   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.   Signature   Total number of pages including cover sheet, attachments, and documents to:   Commissioner of Patents & Arademask, and Address is the pages including cover sheet, attachments, and documents to:		City: <u>S. Borling tor</u> State: <u>VT</u> zip: <u>Zip</u> Additional name(s) & address(es) attached? <b>W</b> Yes
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Name:       James M. Leas         Internal Address:       7. Total fee (37 CFR 3.41)\$         Internal Address:       Authorized to be charged to deposit account         Street Address:       37 Bottler Prive         Street Address:       37 Bottler Prive         Street Address:       37 Bottler Prive         (Attach duplicate copy of this page if paying by deposit account         0. 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.         James M. Leas         Name of Person Signing         Name of Person Signing         Madocuments to be recorded with required cover sheet information to: Commissioner of Patents & Trademarks, Box Assignments		e 6. Total number of applications and patents involved:
Internal Address:       Authorized to be charged to deposit account         Authorized to be charged to deposit account         Street Address:       37         Borlington       8. Deposit account number:         Street Address:       37         Borlington       (Attach duplicate copy of this page if paying by deposit account         City:       State:         VT       Zip OF402         ONOT 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.         Jarces       Jizon         Name of Person Signing       Signature         Total number of pages including cover sheet information to:         Maid documents to be recorded with required cover sheet information to:         Commissioner of Patents & Box Assignments		7. Total fee (37 CFR 3.41)\$
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Street Address: <u>37 Bottler Prive</u> <u>Street Address: 37 Bottler Prive</u> (Attach duplicate copy of this page if paying by deposit accound <u>DO NOT USE THIS SPACE</u> 9. Statement and signature. <u>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. <u>Janes M. (Lees</u> Name of Person Signing <u>Total number of pages including cover sheet, attachments, and documents:</u> <u>Mail documents to be recorded with required cover sheet information to:</u> <u>Commissioner of Patents &amp; Trademarks, Box Assignments</u></u>	Internal Address:	
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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. <u>Jahos M. (Leas</u> Name of Person Signing Total number of pages including cover sheet, attachments, and documents: Mail documents to be recorded with required cover sheet information to: Commissioner of Patents & Trademarks, Box Assignments	S.Burlington VT zip 05403	(Attach duplicate copy of this page if paying by deposit account
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Mai documents to be recorded with required cover sheet information to; Commissioner of Patents & Trademarks, Box Assignments	To the best of my knowledge and belief, the foregoing is a true copy of the original document. <u>Jahos M. (Lees</u> Name of Person Signing	signature 5/12/01 Date
	Mai documents to be recorded w	ith required cover sheet information to:

PATENT REEL: 011819 FRAME: 0594

## ASSIGNMENT

In consideration of One Dollar and other good and valuable consideration, receipt of which is hereby acknowledged, we, Robert A. Selzer of Waterbury, Franz L. Rauch of Waterbury, William R. Friml of New Haven, Joseph B. Gagnon of Waterbury Center, Robert H. Macklin of Richmond and Heinz Siegert of Williston, all of Vermont hereby sell and assign to SAL, Inc. (hereinafter called the ASSIGNEE), a Corporation organized and existing under the laws of Vermont having its principal place of business at 21 Gregory Drive, South Burlington, Vermont 05403 its successors, assigns, nominees, or other legal representatives, the entire right, title and interest in and to the IMPROVEMENTS IN A METHOD OF IMPROVING X-RAY LITHOGRAPHY IN THE SUB 100nm RANGE TO CREATE HIGH QUALITY SEMICONDUCTOR DEVICES invented by us and the application for United States patent therefor, executed on 10 June 1999, filed on 12 June 1999, Serial Number 09/332,206 and all original and reissued patents granted therefor, and all divisions and continuations thereof, including the subjects-matter of any and all claims which may be obtained in every such patent, and the right to apply for and obtain patents and Utility Model Registrations in countries foreign to the United States, and in and to any Letters Patent or Utility Model Registration which may be granted thereon in such foreign countries, and authorize and request the Commissioner of Patents of the United States, and any official of any country or countries foreign to the United States whose duty it is to issue patents on application as aforesaid, to issue the said Letters Patent or Utility Model Registration to the said ASSIGNEE, its successors, assigns, nominees of other legal representatives, as assignee of the entire interest, and covenant that we have full right to convey the entire interest herein assigned and that we have not executed and will not execute any agreement in conflict herewith, and agree that we will communicate to said Corporation, its successors, assigns, nominees or other legal representatives, all facts known to us respecting said invention, whenever requested, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and do all lawful acts requisite for the application for such divisional, continuing or reissue applications, or the procuring thereof, and that if and when said ASSIGNEE, its successors, assigns, nominees or other legal representatives desire to file a disclaimer relating thereto, we will, upon request, sign all lawful papers requisite

> PATENT REEL: 011819 FRAME: 0595

for the filing of such disclaimer, and we further covenant and agree that we will, at any time upon request, do everything legally possible to aid said Corporation, its successors, assigns, nominees or other legal representatives, either in its or their own name, to apply for, obtain and enforce proper patent and/or Utility Model protection for said improvements in all countries, all without further consideration but at the expense of said ASSIGNEE, its successors, assigns, nominees or other legal representatives.

Robert A. Selzer

Franz L.

William R. Friml

Joseph B. Gagnon

Palit F. Maria Robert H. Macklin

Heinz Siegert

State of Vermont

County of Chittenden

## October

This **\\\\*\*** day of <del>September</del> 1999, before me personally came the above-named Robert A. Selzer, Franz Rauch, William R. Friml, Joseph B. Gagnon, Robert H. Macklin and Heinz Siegert to me personally known as the individuals who executed the foregoing assignment, who acknowledged to me that they executed the same of their own free will for the purposes therein set forth.

Einelie Matterior

Notary Public

PATENT REEL: 011819 FRAME: 0596

**RECORDED: 05/18/2001**