

Form PTO-1594 (Rev. 10/02) OMB No. 0651-0027 (exp. 6/30/2005) **RECORDATION FORM COVER SHEET TRADEMARKS ONLY** U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office

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

1. Name of conveying party(ies):  
 Selas Corporation of America

Individual(s)       Association  
 General Partnership       Limited Partnership  
 Corporation-State  
 Other \_\_\_\_\_

Additional name(s) of conveying party(ies) attached?  Yes  No

2. Name and address of receiving party(ies)  
 Name: Wachovia Bank, National Association  
 Internal Address: \_\_\_\_\_  
 Street Address: 123 South Broad Street-PA1246  
 City: Philadelphia State: PA Zip: 19109

Individual(s) citizenship \_\_\_\_\_  
 Association \_\_\_\_\_  
 General Partnership \_\_\_\_\_  
 Limited Partnership \_\_\_\_\_  
 Corporation-State \_\_\_\_\_  
 Other National Banking Association (U.S.)

If assignee is not domiciled in the United States, a domestic representative designation is attached:  Yes  No  
 (Designations must be a separate document from assignment)  
 Additional name(s) & address(es) attached?  Yes  No

3. Nature of conveyance:  
 Assignment       Merger  
 Security Agreement       Change of Name  
 Other \_\_\_\_\_

Execution Date: 03/18/2004

4. Application number(s) or registration number(s):  
 A. Trademark Application No.(s) \_\_\_\_\_  
 \_\_\_\_\_

B. Trademark Registration No.(s) 2,064,552, 1,227,940  
 1,066,442, 1,016,806, 1,072,874, 1,018,505,  
 \_\_\_\_\_

Additional number(s) attached  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:  
 Name: Robert E. Rosenthal  
 Internal Address: Duane Morris LLP  
 \_\_\_\_\_  
 Street Address: One Liberty Place  
 \_\_\_\_\_  
 City: Philadelphia State: PA Zip: 19103


6. Total number of applications and registrations involved: 24

7. Total fee (37 CFR 3.41).....\$ 615.00  
 Enclosed  
 Authorized to be charged to deposit account

8. Deposit account number:  
 04-1679

**DO NOT USE THIS SPACE**

9. Signature.  
 Robert E. Rosenthal  
 Name of Person Signing

  
 Signature

7/13/04  
 Date

Total number of pages including cover sheet, attachments, and document: 36

Mail documents to be recorded with required cover sheet information to: Commissioner of Patent & Trademarks, Box Assignments Washington, D.C. 20231

CH \$615.00 041679 2064552

**Recordation Form Cover Sheet Continuation Page**

**Continuation of Information Item 4B - Trademark Registration Numbers:**

940,934

947,559

851,922

831,805

723,571

613,148

608,315

559,327

565,239

509,242

439,917

441,404

441,403

443,229

444,320

443,055

438,372

84,344

## PATENT AND TRADEMARK SECURITY AGREEMENT

This PATENT AND TRADEMARK SECURITY AGREEMENT (this "Security Agreement") is made on the 18<sup>th</sup> day of March 2004, between SELAS CORPORATION OF AMERICA, a Pennsylvania business corporation with offices located at c/o 1260 Red Fox Road, Arden Hills, MN 55112 (the "Grantor"), and WACHOVIA BANK, NATIONAL ASSOCIATION, formerly known as First Union National Bank, a national banking association (the "Lender").

### BACKGROUND

A. The Grantor, the Lender, Resistance Technology, Inc. ("RTI"), RTI Electronics, Inc. ("RTI Electronics"), RTI Export, Inc. a former subsidiary of the Grantor ("RTIE") and Deuer Manufacturing, Inc., a former subsidiary of the Grantor ("Deuer") are parties to that certain Amended and Restated Credit Agreement dated as of July 31, 1998, as amended by an Amendment dated as of June 30, 1999, a Second Amendment dated as of July 7, 2000 and a Third Amendment dated as of January 19, 2001 (as amended, the "Existing Loan Agreement"), pursuant to which the Lender agreed to make and has made certain credit facilities available to the Grantor upon the terms and conditions specified therein.

B. The Lender, through the Lender's London Branch ("London Branch"), and Selas SAS (formerly known as Selas S.A.), a corporation organized under the laws of France and a subsidiary of the Grantor ("Selas SAS"), entered into that certain Facility Agreement dated as of February 2, 2001, amended and restated in its entirety pursuant to that certain Amended and Restated Facility Agreement dated as of April 15, 2002, and amended by a First Amendment to Amended and Restated Facility Agreement dated as of January 16, 2003, a Second Amendment to Amended and Restated Facility Agreement dated as of February 27, 2003, and a Third Amendment to Amended and Restated Facility Agreement dated as of March 14, 2003 (as amended, the "Existing Selas SAS Facility Agreement"), pursuant to which the Lender provided to Selas SAS, among other things, a discretionary overdraft facility.

C. The Lender, through its London Branch, and Selas SAS also entered into a certain term loan agreement dated January 2000, amended and restated in its entirety by that certain agreement dated as of April 15, 2002, and amended by a First Amendment to Selas SAS 2000 Term Loan Agreement dated as of January 16, 2003, a Second Amendment to Selas SAS 2000 Term Loan Agreement dated as of February 27, 2003, and a Third Amendment to Selas SAS 2000 Term Loan Agreement dated as of March 14, 2003 (as amended, the "Existing Selas SAS 2000 Term Loan Agreement") pursuant to which the Lender made a term loan to Selas SAS.

D. The Grantor, RTI, RTIE, RTI Electronics, Deuer, Selas SAS, CFR-CECF Fofumi Ripoche, a corporation organized under the laws of France and a subsidiary of the Grantor ("CFR"), and the Secured Party entered into that certain Second Waiver and Amendment Agreement dated as of April 15, 2002, as amended by that certain First Amendment to Second Waiver and Amendment Agreement dated as of June 24, 2002, that certain Second Amendment to Second Waiver and Amendment Agreement dated as of July 30, 2002, that certain Third Amendment to Second Waiver and Amendment Agreement dated as of November 14, 2002, that

certain Fourth Amendment to Second Waiver and Amendment Agreement dated as of January 16, 2003, that certain Fifth Amendment to Second Waiver and Amendment Agreement dated as of February 21, 2003, that certain Sixth Amendment to Second Waiver and Amendment Agreement dated as of February 27, 2003, and that certain Seventh Amendment to Second Waiver and Amendment Agreement dated as of March 7, 2003 (as amended, the "Second Waiver Agreement"), pursuant to which the Secured Party agreed, among other things, to provide the Grantor with a new supplemental credit facility (the "Existing Supplemental Credit Facility").

E. The Grantor guaranteed and became surety for all loans, advances, debts, liabilities, obligations, covenants and duties of Selas SAS to the Lender pursuant to that certain Unconditional Guaranty of the Grantor dated as of June 10, 2000 and amended as of July 31, 1998 (as amended, the "Grantor Guaranty").

F. As security for any and all indebtedness, liabilities and obligations of Grantor to the Lender, the Grantor entered into, among other things, that certain Security Agreement between the Grantor and the Lender dated as of October 20, 1993 and as amended July 31, 1998 (as amended, the "Existing Security Agreement"). The Existing Security Agreement, the Existing Loan Agreement, the Existing Selas SAS Facility Agreement, the Existing Selas SAS 2000 Term Loan Agreement, the Second Waiver Agreement, the Grantor Guaranty, and all documents, instruments and agreements executed in connection with any of the foregoing are referred to hereinafter as, collectively, the "Existing Loan Documents."

G. The Grantor, the Lender, RTI and RTI Electronics have executed an Amended, Restated and Consolidated Loan Agreement of even date herewith (the "Agreement"), pursuant to which the Grantor, RTI and RTI Electronics have requested, and the Lender has agreed, to amend, restate and consolidate the terms and conditions of the Existing Loan Documents, upon and subject to the terms and conditions of the Agreement. The Agreement and all agreements and documents executed in connection therewith shall be referred to herein as the "Loan Documents."

H. To secure its obligations under the Agreement and the other Loan Documents (collectively, the "Obligations"), the Grantor has agreed to grant to the Secured Party a security interest in the Collateral set forth below.

I. The Secured Party is willing to grant the extensions of credit contemplated by the Agreement only on the condition that the Grantor executes and delivers this Security Agreement to the Lender.

NOW, THEREFORE, in consideration of the promises contained herein and for other and good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties hereby agree as follows:

## **Section 1. DEFINITIONS.**

Capitalized terms used herein and not otherwise defined herein shall have the respective meanings provided therefor in the Agreement. The following terms shall have the meanings set forth below:

1.1 **Patents** means (a) all patents and patent applications now owned or hereafter created or acquired by the Grantor, including, without limitation, those described on Schedule A hereto, and the inventions and improvements described and claimed therein, and patentable inventions, (b) the examinations, reissues, divisions, continuations, renewals, extensions and continuations-in-part of any of the foregoing, (c) all income, royalties, damages or payments now and hereafter due and/or payable under, and with respect to, any of the foregoing including, without limitation, damages or payment for past, present or future infringement of any of the foregoing, (d) the right to sue for past, present and future infringement of any of the foregoing, (e) all inventions, designs, proprietary or technical information, know-how, other data or information, software, databases, all embodiments or fixations thereof and related documentation, and all other trade secret rights not described above, and (f) all rights corresponding to any of the foregoing throughout the world.

1.2 **Trademarks** means (a) all of the Grantor's trademarks, trade names, corporate names, company names, business names, fictitious business names, all elements of package or trade dress goods, service marks, logos, other business identifiers, prints and labels on which any of the foregoing have appeared or appear, all registrations and recordings thereof, and all applications in connection therewith, whether now owned or hereafter created or acquired by the Grantor, including, without limitation, those described on Schedule B hereto, (b) all reissues, extensions or renewals thereof, (c) all income, royalties, damages and payments now or hereafter due and/or payable under any of the foregoing or with respect to any of the foregoing including, without limitation, damages or payments for past, present or future infringement or dilution of any of the foregoing, (d) the right to sue for past, present and future infringement or dilution of any of the foregoing, (e) all rights corresponding to any of the foregoing throughout the world, and (f) all goodwill associated with and symbolized by any of the foregoing.

1.3 **Event of Default** means (a) any Event of Default under this Security Agreement, the Agreement or any of the other Loan Documents; and (b) any violation by the Grantor of any representation, warranty or covenant contained in this Security Agreement (or any modification or amendment hereof) which is not cured and remedied within twenty (20) days after the earlier of (i) the date that such representation, warranty or covenant was violated; or (ii) the date on which the Grantor has knowledge of such violation.

## **Section 2. GRANT OF SECURITY INTEREST.**

2.1 **Security Interest; Assignment of Patents and Trademarks.** As security for the payment and performance in full of all of the Obligations, the Grantor hereby (a) unconditionally reaffirms and/or grants, assigns and conveys to the Lender a continuing security interest in and first priority lien on all of its right, title and interest in and to the Patents and Trademarks, whether presently existing or hereafter created or acquired.

**Section 3. REPRESENTATIONS, WARRANTIES AND COVENANTS.**

3.1 The Grantor represents, warrants and covenants that: (a) Schedule A sets forth a true and complete list of all Patents and applications for Patents now owned by the Grantor; (b) Schedule B sets forth a true and complete list of all registrations and applications for Trademarks now owned by the Grantor; (c) the Patents and Trademarks are subsisting and have not been adjudged invalid or unenforceable, in whole or in part, and there is no threatened or pending litigation or proceeding of which the Grantor has received actual notice concerning the validity or enforceability of the Trademarks or Patents; (d) to the Grantor's knowledge, each of the Patents and Trademarks is valid and enforceable; (e) to the Grantor's knowledge, there is no infringement by any Person of the Trademarks or Patents; (f) to the Grantor's knowledge, no claim has been made that the use of any of the Trademarks or Patents violates the rights of any Person, and to the Grantor's knowledge, none of the Trademarks or Patents infringes the trademark rights of a Person; (g) for all Patents and Trademarks listed on Schedule A and Schedule B, respectively, the Grantor is the sole and exclusive owner of the entire and unencumbered right, title and interest in and to such Patents and Trademarks, free and clear of any liens, charges, encumbrances and adverse claims, including pledges, assignments, licenses, registered user agreements and covenants by the Grantor not to sue third persons (other than the security interest created by the Agreement and this Security Agreement), except that Grantor had previously sold the rights to use certain of the Patents in Europe to a third party; (h) the Grantor has the unqualified right to enter into this Security Agreement and to perform its terms and has entered and will enter into written agreements with each of its present and future employees, agents, consultants, licensors and licensees that will enable it to comply with the covenants herein contained; (i) the Grantor has used, and will continue to use, proper statutory and other appropriate proprietary notices in connection with its use of the Patents and Trademarks; (j) the Grantor has used, and will continue to use for the duration of this Security Agreement, consistent standards of quality in its manufacture and provision of products and services sold or provided under the Patents and Trademarks; (k) this Security Agreement, together with the Agreement, continues in favor of the Lender a valid and perfected first priority security interest in the Patents and Trademarks and no authorization, approval or other action by, and no notice to or filing with, any governmental or regulatory authority, agency or office is required for the grant by the Grantor or the effectiveness of the security interest granted hereby or for the execution, delivery and performance of this Security Agreement by the Grantor.

**Section 4. NO TRANSFER OR INCONSISTENT AGREEMENTS.**

4.1 Without the Lender's prior written consent, the Grantor will not (a) mortgage, pledge, assign, encumber, grant a security interest in, transfer, or alienate any of the Trademarks or Patents, or (b) enter into any agreement that is inconsistent with the Grantor's obligations under this Security Agreement or the Agreement.

**Section 5. AFTER-ACQUIRED PATENTS AND TRADEMARKS.**

5.1 After-Acquired Trademarks. If, before the Obligations shall have been finally paid and satisfied in full, the Grantor shall obtain any right, title or interest in or to any

other or new Trademarks or Patents, the provisions of this Security Agreement shall automatically apply thereto and the Grantor shall, on the anniversary date of this Security Agreement, provide to the Lender notice thereof in writing and execute and deliver to the Lender such documents or instruments as the Lender may reasonably request further to implement, preserve or evidence the Lender's interest therein.

5.2 **Amendment to Schedule.** The Grantor authorizes the Lender to modify this Security Agreement without the necessity of the Grantor's further approval or signature, by amending Schedule A and Schedule B hereto to include any future or other Trademarks or Patents under Section 2 or Section 5 hereof.

## **Section 6. PATENT AND TRADEMARK PROSECUTION.**

6.1 **Grantor Responsible.** The Grantor shall assume full and complete responsibility for the prosecution, defense, enforcement or any other necessary or desirable actions in connection with the Patents and Trademarks, and shall hold the Lender harmless from any and all costs, damages, liabilities and expenses that may be incurred by the Lender in connection with the Lender's interest in the Trademarks or Patents or any other action or failure to act in connection with this Security Agreement or the transactions contemplated hereby. In respect of such responsibility, the Grantor shall retain trademark and patent counsel reasonably acceptable to the Lender.

6.2 **Grantor's Duties, etc.** The Grantor shall have the right and the duty, through trademark and patent counsel reasonably acceptable to the Lender, to prosecute diligently before the United States Patent and Trademark Office any applications for registration of Trademarks or Patents pending as of the date of this Security Agreement or thereafter, to preserve and maintain all rights in the registered Trademarks and issued Patents, including the filing of appropriate renewal applications and other instruments to maintain in effect the registered Trademarks and issued Patents and the payment when due of all renewal fees and other fees, taxes and other expenses that shall be incurred or that shall accrue with respect to such registered Trademarks and issued Patents. Any expenses incurred in connection with such applications and actions shall be borne solely by the Grantor. The Grantor shall not intentionally abandon any filed application for a Trademark or Patent, or any registered Trademark or issued Patent, without the consent of the Lender, which consent shall not be unreasonably withheld.

6.3 **Grantor's Enforcement Rights.** Subject to the requirements of Section 6.4 below, the Grantor shall have the right but not the obligation to bring suit or other action in the Grantor's own name to maintain and enforce the Patents and Trademarks. The Grantor may request that the Lender join in such suit or action as necessary to assure the Grantor's ability to bring and maintain any such suit or action in any proper forum, but the Lender may decline to so join if it is not completely satisfied that such joinder will not subject the Lender to any risk of liability. To the fullest extent permitted under applicable law, the Grantor shall promptly, upon demand, reimburse and indemnify the Lender for all damages, costs and expenses, including legal fees, incurred by the Lender pursuant to this Section 6.3.

6.4 **Protection of Patents and Trademarks.** In general, the Grantor shall take any and all such actions (including institution and maintenance of suits, proceedings or

actions) as may be commercially reasonable to properly maintain, protect, preserve, care for and enforce the Patents and Trademarks except where a failure to do so would have no material adverse effect on the business, assets or financial condition of the Grantor. The Grantor shall not take or fail to take any action, or permit any action to be taken or not taken by others under its control, that would adversely affect the validity, grant or enforcement of the Patents and Trademarks except where a failure to do so would have no material adverse effect on the business, assets or financial condition of the Grantor.

6.5 **Notification by Grantor.** Promptly upon obtaining knowledge thereof, the Grantor will notify the Lender in writing of the institution of, or any final adverse determination in, any proceeding in the United States Patent and Trademark Office or any similar office or agency of the United States, or any court, regarding the validity of any of the Trademarks or Patents or of the Grantor's right, title or interest in and to Trademarks or Patents, and of any event that does or reasonably could materially adversely affect the value of any of the Trademarks or Patents, the ability of the Grantor or the Lender to dispose of any of the Trademarks or Patents or the rights and remedies of Lender in relation thereto (including, but not limited to, the levy of any legal process against any of the Trademarks or Patents).

#### **Section 7. REMEDIES.**

7.1 Upon the occurrence and during the continuance of an Event of Default, the Lender shall have, in addition to all other rights and remedies given it by this Security Agreement, those rights and remedies allowed by law and the rights and remedies of a secured party under the Uniform Commercial Code, and, without limiting the generality of the foregoing, the Lender may immediately, without demand of performance and without other notice (except as set forth next below) or demand whatsoever to the Grantor, all of which are hereby expressly waived, sell or license at public or private sale or otherwise realize upon the whole or from time to time any part of the Trademarks or Patents, or any interest that the Grantor may have therein, and after deducting from the proceeds of sale or other disposition of the Trademarks or Patents all expenses incurred by the Lender in attempting to enforce this Security Agreement (including all reasonable expenses for broker's fees and legal services), shall apply the residue of such proceeds toward the payment of the Obligations as set forth in or by reference in the Agreement. At any such sale or other disposition, the Lender may, to the extent permitted under applicable law, purchase or license the whole or any part of the Trademarks or Patents or interests therein sold, licensed or otherwise disposed of.

#### **Section 8. PROTECTION OF PATENTS AND TRADEMARKS.**

8.1 If the Grantor shall fail to do any act that it has covenanted to do hereunder, or if any representation or warranty of the Grantor shall be breached, the Lender, in its own name or that of the Grantor (in the sole discretion of the Lender), may (but shall not be obligated to) do such act or remedy such breach (or cause such act to be done or such breach to be remedied), and the Grantor agrees to promptly reimburse the Lender for any cost or expense incurred by the Lender in so doing.



**Section 9. POWER OF ATTORNEY.**

9.1 If any Event of Default shall have occurred and be continuing, the Grantor does hereby make, constitute and appoint the Lender (and any officer or agent of the Lender as the Lender may select in its exclusive discretion) as its true and lawful attorney-in-fact, with full power of substitution and with the power to endorse the Grantor's name on all applications, documents, papers and instruments necessary for the Lender to use and exploit the Patents and Trademarks, or to grant or issue any exclusive or non-exclusive license of any of the Trademarks or Patents to any third person, or to take any and all actions necessary for the Lender to assign, pledge, convey or otherwise transfer title in or dispose of any of the Trademarks or Patents or any interest of the Grantor therein to any third person, and, in general, to execute and deliver any instruments or documents and do all other acts that the Grantor is obligated to execute and do hereunder. The Grantor hereby ratifies all that such attorney shall lawfully do or cause to be done by virtue hereof and releases the Lender from any claims, liabilities, causes of action or demands arising out of or in connection with any action taken or omitted to be taken by the Lender under this power of attorney, specifically including the Lender's negligence (except for the Lender's gross negligence or willful misconduct.) This power of attorney is coupled with an interest and shall be irrevocable for the duration of this Security Agreement.

**Section 10. FURTHER ASSURANCES.**

10.1 The Grantor shall, at any time and from time to time, and at the Grantor's expense, make, execute, acknowledge and deliver, and file and record as necessary or appropriate with governmental or regulatory authorities, agencies or offices, such agreements, assignments, documents and instruments, and do such other and further acts and things (including, without limitation, obtaining consents of third parties), as the Lender may request in order to implement and effect fully the intentions, purposes and provisions of this Security Agreement, or to assure and confirm to the Lender the grant, perfection and priority of the Lender's security interest in the Patents and Trademarks.

**Section 11. TERMINATION.**

11.1 At such time as all of the Obligations have been indefeasibly paid and satisfied in full, this Security Agreement shall terminate and the Lender shall, upon the written request and at the expense of the Grantor, execute and deliver to the Grantor all deeds, assignments and other instruments as may be necessary or proper to reassign and reconvey to and re-vest in the Grantor the entire right, title and interest in and to the Patents and Trademarks previously granted, assigned, transferred and conveyed to the Lender by the Grantor pursuant to this Security Agreement, as fully as if this Security Agreement had not been made, subject to any disposition of all or any part thereof that may have been made by the Lender pursuant hereto or the Agreement. The Lender shall execute such documents as are necessary to release any security interest in the Patents and Trademarks as recorded in the United States Patent and Trademark Office or any other location.

**Section 12. COURSE OF DEALING.**

12.1 No course of dealing between the Grantor and the Lender, and no failure to exercise, or any delay in exercising, on the part of the Lender, any right, power or privilege hereunder or under the Agreement or any other agreement shall operate as a waiver thereof; and no single or partial exercise of any right, power or privilege hereunder or thereunder shall preclude any other or further exercise thereof or the exercise of any other right, power or privilege. All of the Lender's rights and remedies with respect to the Patents and Trademarks, whether established hereby or by the Agreement, or by any other agreements or by law shall be cumulative and may be exercised singularly or concurrently.

**Section 13. EXPENSES.**

13.1 Any and all fees, costs and expenses, of whatever kind or nature, including the attorneys' fees and expenses incurred by the Lender in connection with the preparation of this Security Agreement and all other documents relating hereto, the consummation of the transactions contemplated hereby or the enforcement hereof, the filing or recording of any documents (including all taxes in connection therewith) in public offices, the payment or discharge of any taxes, counsel fees, maintenance or renewal fees, encumbrances, or otherwise protecting, maintaining or preserving the Patents and Trademarks, or in defending or prosecuting any actions or proceedings arising out of or related to the Patents and Trademarks, shall be borne and paid by the Grantor.

**Section 14. OVERDUE AMOUNTS.**

14.1 Until paid, all amounts due and payable by the Grantor hereunder shall be a debt secured by the Patents and Trademarks and shall bear, whether before or after judgment, interest at the rate of interest for overdue principal set forth in the Agreement.

**Section 15. NO ASSUMPTION OF LIABILITY; INDEMNIFICATION.**

15.1 **NOTWITHSTANDING ANYTHING TO THE CONTRARY CONTAINED HEREIN, THE LENDER DOES NOT ASSUME ANY LIABILITIES OF THE GRANTOR WITH RESPECT TO ANY CLAIM OR CLAIMS REGARDING THE GRANTOR'S OWNERSHIP OR PURPORTED OWNERSHIP OF, OR RIGHTS OR PURPORTED RIGHTS ARISING FROM, ANY OF THE TRADEMARKS OR PATENTS, OR ANY USE, LICENSE OR SUBLICENSE THEREOF, WHETHER ARISING OUT OF ANY PAST, CURRENT OR FUTURE EVENT, CIRCUMSTANCE, ACT OR OMISSION OR OTHERWISE. ALL OF SUCH LIABILITIES SHALL BE EXCLUSIVELY THE RESPONSIBILITY OF THE GRANTOR, AND THE GRANTOR SHALL INDEMNIFY THE LENDER FOR ANY AND ALL COSTS, EXPENSES, DAMAGES AND CLAIMS, INCLUDING LEGAL FEES, INCURRED BY THE LENDER WITH RESPECT TO SUCH LIABILITIES.**

**Section 16. NOTICES.**

16.1 All notices and other communications made or required to be given pursuant to this Security Agreement shall be made in accordance with the provisions of the Agreement.

**Section 17. AMENDMENT AND WAIVER.**

17.1 This Security Agreement is subject to modification only by a writing specifically referencing this Security Agreement which is signed by the Lender and the Grantor, except as provided in Section 5.2 hereof. The Lender shall not be deemed to have waived any right hereunder unless such waiver shall be in writing and signed by the Lender. A waiver on any one occasion shall not be construed as a bar to or waiver of any right on any future occasion.

**Section 18. GOVERNING LAW.**

18.1 The validity and interpretation of this Security Agreement and the rights and obligations of the parties shall be governed by the laws of the Commonwealth of Pennsylvania.

**Section 19. JUDICIAL PROCEEDINGS.**

19.1 Each party to this Security Agreement agrees that any suit, action, or proceeding, whether claim or counterclaim, brought or instituted by any party hereto or any successor or assign of any party, on or with respect to this Security Agreement or the dealings of the parties with respect hereto, shall be tried only by a court and not by a jury. EACH PARTY HEREBY KNOWINGLY, VOLUNTARILY AND INTENTIONALLY WAIVES ANY RIGHT TO A TRIAL BY JURY IN ANY SUCH SUIT, ACTION OR PROCEEDING. Further, the Grantor waives any right it may have to claim or recover, in any such suit, action or proceeding, any special, exemplary, punitive or consequential damages or any damages other than, or in addition to, actual damages. THE GRANTOR ACKNOWLEDGES AND AGREES THAT THIS PARAGRAPH IS A SPECIFIC AND MATERIAL ASPECT OF THIS SECURITY AGREEMENT AND THAT THE LENDER WOULD NOT EXTEND CREDIT TO THE GRANTOR IF THE WAIVERS SET FORTH IN THIS PARAGRAPH WERE NOT A PART OF THIS SECURITY AGREEMENT.

**Section 20. MISCELLANEOUS.**

20.1 The headings of each section of this Security Agreement are for convenience only and shall not define or limit the provisions thereof.

20.2 This Security Agreement and all rights and obligations hereunder shall be binding upon the Grantor and its successors and assigns, and shall inure to the benefit of the Lender and its successors and assigns.

20.3 In the event of any irreconcilable conflict between the provisions of this Security Agreement and the Agreement, the provisions of the Agreement shall control.

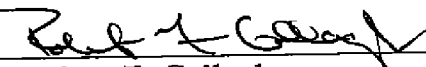
20.4 If any term of this Security Agreement shall be held to be invalid, illegal or unenforceable, the validity of all other terms hereof shall in no way be affected thereby, and this Security Agreement shall be construed and be enforceable as if such invalid, illegal or unenforceable term had not been included herein.

20.5 The Grantor acknowledges receipt of a copy of this Security Agreement.

**[REMAINDER OF PAGE INTENTIONALLY LEFT BLANK]**

IN WITNESS WHEREOF, this Security Agreement has been executed as of the day and year first above written.

**SELAS CORPORATION OF AMERICA**

By: 

Name: Robert F. Gallagher  
Title: Chief Financial Officer

**WACHOVIA BANK, NATIONAL  
ASSOCIATION**

By: 

Name: Kathleen M. Hedrich  
Title: Vice President



6/8/2004

Patent and Trademark Security Agreement - (Selas Corporation of America)  
 Patents - (Burners Components Business) - Part B - Foreign Patents

Case No.	Filed	Inventor	Title	Patent Number	Country	Date	Remarks
SF-250-99	5/20/1999	John J Bloomer John van Eerden	Low NOx Floor Burner and Heating Method	S/N 199 23 219.9	Germany		
		John J Barba Michael Peacock A John Grever					
SF-249-97	6/19/1997	John van Eerden A John Grever John J Bloomer	Vortex Burner	0816756 (97 110 036.7)	France, Italy, Germany	9/3/2003	
SF-248-97	6/18/1997	"	"	Appl Hei9-177681	Japan		
SF-247-97	4/22/1996	"	"	Patent 310634	Norway	7/30/2001	
SF-246-97	6/19/1996	John van Eerden A John Grever John J Bloomer	Converging Burner Tip	Appl 19726095.0	Germany		
SF-245-97	4/28/1997	"	"	2148029 (P9700907)	Spain	3/31/2001	
SF-244-97	4/3/1997	"	"	314,518	New Zealand	7/16/1998	
SF-243-96	4/24/1996	W C Gensler John van Eerden	Method and Apparatus for Reducing Nox Emissions in a Gas Burner (ISGAD Bmr)	Patent 308678	Norway	4/1/2001	
SF-242-96	4/11/1996	"	"	0751343	European	11/14/2001	
SF-241-96	4/25/1996	"	"	S/N 2,175,011	Canada		
SF-240-93	7/8/1993	W C Gensler John van Eerden C F Gottschlich	Apparatus and Method for Mixing Gas	93 401 784.9 (578578)	European		
SF-239-93	10/4/1993	W C Gensler John van Eerden C F Gottschlich	Inspirated Staged Combustion Burner	Patent 2,107,630	Canada	1/16/2001	
SF-238-93	8/4/1993	"	"	0,592,081 24590/BE/99 93306175.6 0,592,081 0,592,081 0,592,081 0,592,081	European Italy Spain Belgium France Netherlands Great Britain	7/14/1999 7/14/1999 7/14/1999 7/14/1999 7/14/1999 7/14/1999	
SF-237-93	7/6/1993	W C Gensler John van Eerden	Apparatus and Method for Mixing Gases	2,099,894	Canada	11/3/1998	

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Case No.	Filed	Inventor	Title	Patent Number	Country	Date	Remarks
SF-236-92	12/11/1992	C F Gottschlich	Inspirated Staged Combustion Burner	P42 41 883.6	Germany		
TM-SF-235-92	10/20/1992	SCA	"SELAS" Trademark Appl in Cl 7,9,11,40	2,070,498	Germany		
SF-234-92	3/31/1992	W C Gensler John van Eerden	Staged Superposition Burner	2,064,534	Canada	11/26/1996	
SF-233-92	3/3/1992	C F Gottschlich	"	0,543,478	European	5/22/1996	DROPPED
SF-232-91	11/18/1991	E A Cook	Strip Elongation Control in	3-330071	Japan		
SF-231-91	3/29/1994	R J Mieloo (Stelco)	Continuous Annealing Furnace	Divisional 657,650	Australia	7/4/1995	
	11/20/1991	"	"	646,371	Australia	6/3/1994	
		"	"	2,030,453	Canada	11/22/1994	Canadian
		"	"	2,030,454	Canada	11/22/1994	Appl Filed
SF-230-91	11/18/1991	"	"	2,030,456	Canada	11/22/1994	by Stelco
		"	"	0,487,274	European	6/10/1998	
SF-229-91	6/18/1991	John van Eerden C F Gottschlich	Low NOx Burner	69129575.1	Germany		See S-473-90
		W C Gensler		91 305 500.0	European		
SF-228-91	6/18/1991	"	"	2,553,267	Japan	8/22/1996	See S-473-90
SF-227-91	6/17/1991	"	"	2,044,760	Canada	1/14/1997	See S-473-90
SF-226-89-SA	3/22/1989	M Agius	Bombage du Verre (Abbrev.) (Horizontal Bending and Tempering of Architectural and Appliance Glass)		France		
SF-225-89-SA	1/4/1989	R Pernelle M Agius	Four Anti-Poussiere (Abbrev.) (Dust-Free Horizontal Glass Furnace)		France		
SF-224-83-SA	8/31/1983	R Pernelle	Chauffage a Commande Integree		European		

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Case No.	Filed	Inventor	Title	Patent Number	Country	Date	Remarks
SF-223-82	12/23/1982	A John Grever	Inductive Preheating of Upset Tubing (England, France, Germany, Italy)	Abandoned	European	12/23/1986	
TM-SF-222-81	7/1/1981	SCA	"KARBO-MATIC" (word only)	TM A362,114	Australia		
SF-221-79	3/13/1979	SCA	Service Mark: SELAS		Germany		
SF-220-81	6/30/1981	H H Seemann R F Kaupp	Floating Radiant Tube Sheets for Vertical Tube Reformers and the Like		England		Linde
SF-219-81	7/29/1981	"	"		Japan		Linde
SF-218-81	7/20/1981	"	"		Germany		Linde
SF-217-81	7/28/1981	"	"	1,152,439	Canada	8/23/1983	Linde
SF-216-80	2/19/1981	Gottschlich et al	Burner (Exvolving Burner Cup) (Corr. To US S/N 122,844 - S-458-80)	152,310	Norway	9/4/1985	
SF-215-80	2/19/1981	"	"	1,375,517	Japan	Eff 2/19/81	
SF-214-80	1/17/1981	"	"	3,105,797	Germany	4/22/1987	Off 10/1/86
SF-213-80	1/27/1981	"	"	539,811	Australia	2/17/1981	
TM-SF-212	4/2/1979	SCA	Trademark: KARBO-MATIC (with Selas Logo)	TM A330,991	Australia		
SF-211	12/13/1979	F M Wall T Bailey and Linde	Method of Preheating Hydrocarbons for Thermal Cracking		Japan		Linde
SF-210	12/13/1979	F M Wall T Bailey and Linde	Verfahren zum Vorwaermen von Kohlenwasserstoffen vor deren Thermischer Spaltung		Germany		Linde
SF-209	10/16/1979	M A Csapo	Calciner Screw Construction (Corr to US S/N 951,384)	Abandoned	Japan	11/19/1979	
SF-208	10/5/1979	"	"	Abandoned	European	11/19/1979	
SF-207	7/24/1979	E A Cook C F Gottschlich	Method for Reducing Metal Oxide Formation on a Continuous Metal Sheet in the Hot Dip Coating Thereof (Corr to US S/N 934,627) (S-451)	2,028,379B	England	10/27/1982	Lysaght
SF-206	5/2/1979	"	"	79,20577	France	Off 7/24/79	
SF-205	5/2/1979	"	"	530,691	Australia	8/13/1979	Lysaght
SF-204	5/2/1979	"	"	1,128,379	Canada	8/1/1979	Lysaght
SF-203	8/16/1978	W G Bates	Press Bending and Tempering of Glass (Corr to US S/N 845,339) (S-446)	Abandoned	Japan	7/27/1982	Lysaght
						18/18/85	

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SF-202	8/16/1978	"	"	78,29757	France	10/19/1978	
SF-201	8/16/1978	"	"	2,006,746	England	6/30/1982	Off 9/8/78
SF-200	8/16/1978	"	"	Abandoned	Germany	9/5/1982	
SF-199	8/16/1978	"	"	Abandoned	Italy	10/5/1982	
SF-198	6/2/1978	R F Lempa	Burner Assembly (DNS Burner Improvement) (Corr to S-444)	1,572,992	England	10/29/1980	
SF-197	6/2/1978	"	"	1,085,283	Canada	Off 5/31/78 9/9/1980	
SF-196	11/9/1977	H E Mescher	Convection Heating System for Tempering Furnace	867,873	Japan	11/6/1976	
SF-195	11/9/1977	R H Reber H E Mescher	Integral Quench Furnace & Transfer Mechanism	907,673	Japan	7/10/1971	Off 11/16/76
SF-194	11/9/1977	"	"	Abandoned	Germany	11/22/1982	
SF-193	11/9/1977	H E Mescher W E Heyer	Free Floating Flight in a Retort (Heat Treatment Device & Assy Thereof)	964,275	Japan	9/29/1978	
SF-192	11/9/1977	"	"	1,525,752	England	12/28/1978	Off 9/5/75
SF-191	11/9/1977	"	"	Abandoned	Germany	10/6/1976	
SF-190	9/9/1977	"	"	1,057,052	Canada	6/26/1979	
SF-189	8/20/1975	Harry C Santisi	Noise Suppressor for Burner	1,052,254	Canada	4/10/1979	
SF-188	4/30/1975	"	"	Abandoned	Japan	5/30/1982	
SF-187	4/30/1975	"	"	1,489,120	England	6/3/1975	
SF-186	1/15/1975	Chung Liao Feng	System for Vaporizing Oil (US Pat 3,885,904) (S-427)	932,775	S Africa	2/13/1975	
SF-185	1/15/1975	"	"	1,028,773	Italy	2/28/1975	
SF-184	1/15/1975	"	"	Abandoned	Germany	2/20/1979	
SF-183	1/15/1975	"	"	75,06372	France	2/28/1975	
SF-182	1/15/1975	"	"	1,466,536	England	7/6/1977	Off 2/13/75
SF-181	1/15/1975	"	"	1,013,253	Canada	7/5/1977	
SF-180	1/15/1975	R F Kaupp	Tube Support	440,487	Spain	10/26/1976	
SF-179	12/4/1974	Harry C Santisi	Noise Suppressor for Burner (US Pat 3,907,489) (S-434)	Abandoned	France	12/27/1976	
SF-178	12/4/1974	"	"	Abandoned	Germany	12/23/1981	

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SF-177	12/3/1974	Fraser M Wall	Tube Heater Convection Section (no US Corr)	434,139	Spain	6/25/1976	
SF-176	11/21/1974	Charles W Morck Jr	Industrial Burner	432,908	Spain	10/11/1976	
SF-175	11/7/1974	Harry C Santisi	Noise Suppressor for Burner (US Pat 3,907,489) (S-434)	432,484	Spain	5/12/1976	
SF-174	9/10/1974	WE Marceau W G Bates T J Mroczek	Glass Carrier for Tempering (Corr US Pat 3,850,420) (S-424)	1,023,800	Italy	11/27/1974	
SF-173	9/10/1974	"	"	Abandoned	Germany	12/17/1979	
SF-172	9/10/1974	"	"	74,38762	France	7/31/1978	
SF-171	9/10/1974	"	"	1,427,129	Great Britain	11/8/1974	
SF-170	9/10/1974	"	"	1,022,342	Canada	12/13/1977	
SF-169	12/12/1973	Wm E Gildersleeve	Method and Apparatus for Preventing Oxidation of a Metal Strip During Heating (Corr US Pat 3,827,854) (S-425)	74/0351	S Africa	1/17/1974	
SF-168	12/12/1973	"	"	1,005,371	Italy	2/7/1974	
SF-167	12/12/1973	"	"	1,413,944	Great Britain	1/15/1974	
SF-166	12/12/1973	"	"	2,406,029-5	Germany	9/13/1978	Off 2/9/74
SF-165	12/12/1973	"	"	7,403,650	France	6/14/1976	Exp '94
SF-164	12/12/1973	"	"	1,002,151	Canada	12/21/1976	
SF-163	12/12/1973	"	"	810,642	Belgium	8/5/1974	Exp '94
SF-162	12/12/1973	"	"	483,064	Australia	11/11/1977	

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Case No.	Filed	Inventor	Title	Patent Number	Country	Date	Remarks
SF-161	10/20/1972	M A Csapo Nathan Waldman Wim E Micho	Tower Furnace Collecting Mechanism (Corr to US Pat 3,733,173) (S-411)	470,745	Australia	11/30/1972	
SF-160	10/20/1972	"	"	969,216	Italy	12/20/1972	Sealed 3/30/74
SF-159	10/20/1972	"	"	Abandoned	Holland	6/22/1978	
SF-158	10/20/1972	"	"	Abandoned	Germany	6/22/1978	
SF-157	10/20/1972	"	"	7,244,128	France	7/9/1973	
SF-156	10/20/1972	"	"	792,769	Belgium	6/14/1973	
SF-155	10/20/1972	"	"	Abandoned	Japan	6/22/1978	
SF-154	10/20/1972	"	"	1,397,287	England	12/1/1972	Sealed 10/8/75
SF-153	10/20/1972	"	"	978,353	Canada	11/25/1975	
SF-152	7/18/1972	Ernst A Siemssen John M Hummel	Tower Furnace Reciprocating Feed (US Pat 3,754,855) (S-412)	Abandoned	Australia	8/9/1974	
SF-151	7/18/1972	"	"	Abandoned	Holland	8/7/1974	
SF-150	7/18/1972	"	"	2,239,684	Germany	8/12/1972	
SF-149	7/18/1972	"	"	970,562	Canada	7/18/1975	
SF-148	5/8/1972	Charles A Turner Ernst A Siemssen	Method of Descaling (US Pat 3,699,726) (S-410)	494172	S Africa	8/3/1973	
SF-147	5/8/1972	"	"	Abandoned	Japan	1/3/1978	
SF-146	5/8/1972	"	"	1,338,357	Great Britain	3/20/1974	
SF-145	5/8/1972	"	"	Abandoned	France	9/19/1973	
SF-144	5/8/1972	"	"	Abandoned	Germany	6/24/1975	
SF-143	12/28/1971	Charles W Morck Jr	Industrial Burner (US Pat 3,692,460) (S-409)	858,485	Japan	9/29/1976	Grant/Sealg. Date 5/16/77
SF-142	12/28/1971	"	"	949,356	Italy	6/11/1973	
SF-141	12/28/1971	"	"	155,354	Holland	2/14/1972	
SF-140	12/28/1971	"	"	1,368,690	Great Britain	1/14/1972	
SF-139	12/28/1971	"	"	2207293-1	Germany	12/17/1972	
SF-138	12/28/1971	"	"	938,212	Canada	12/11/1973	

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SF-137	9/30/1970	George V Jordan	Filter (US Pat 3,664,507) (S-403)	673,028	Japan	5/25/1972	
SF-136	9/30/1970	"	"	2,102,863	Germany	1/22/1971	
SF-135	9/30/1970	"	"	1,283,129	Great Britain	11/22/1972	
SF-134	9/30/1970	"	"	760,327	Belgium	6/14/1971	
SF-133	9/30/1970	"	"	945,478	Canada	4/16/1974	
SF-132	9/30/1970	Abraham J Esselink	Reformer Furnace (US Pat 3,672,847) (S-402)	Abandoned	Japan	10/20/1972	Linde
SF-131	9/30/1970	"	"	1,286,215	Great Britain	12/7/1970	Linde
SF-130	9/30/1970	"	"	Abandoned	Germany	10/20/1972	Linde
SF-129	9/30/1970	"	"	Abandoned	Holland	10/20/1972	Linde
SF-128	9/30/1979	"	"	935,972	Canada	10/30/1973	Linde
SF-127	9/30/1970	Emil Blaha M R Kilzen	Catalytic Reactor (US Pat 3,656,913) (S-401)	785,564	Japan	12/11/1974	Linde
SF-126	9/30/1970	"	"	1,286,574	Great Britain	11/5/1970	Linde
SF-125	9/30/1970	"	"	2,058,867-4	Germany	12/1/1970	Linde
SF-124	9/30/1970	"	"	7,100,778	France	4/16/1974	Linde
SF-123	9/30/1970	"	"	146,718	Holland	12/16/1970	Linde
SF-122	9/30/1970	"	"	925,296	Canada	5/1/1973	Linde
SF-121	9/16/1970	E E Johnson	Glass Sealing Apparatus	Abandoned	Germany	10/20/1972	
SF-120	4/30/1970	Ernst A Siemssen	Tower Furnace (Corr to Pat 3,627,285) (S-395)	363,307	Sweden	4/25/1974	Abandoned 6/27/1974
SF-119*	4/30/1970	"	"	441,125	Australia	3/14/1974	
SF-118	4/30/1970	"	"	751,415	Belgium	12/3/1970	
SF-117	4/30/1970	"	"	2,030,125	Germany	6/19/1970	
SF-116	4/30/1970	"	"	1,243,484	Great Britain	6/11/1970	
SF-115	4/30/1970	"	"	7,019,965	France	3/15/1971	
SF-114	4/29/1970	"	"	911,727	Canada	10/10/1972	

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Case No.	Filed	Inventor	Title	Patent Number	Country	Date	Remarks
SF-113	4/30/1970	Ernst A Siemssen John M Hummel	Tower Furnace and Feed (Corr to US Pat 3,601,380) (S-394)	750,958	Belgium	11/26/1970	
SF-112	4/30/1970	"	"	2,028,585	Germany	6/11/1970	
SF-111	4/30/1970	"	"	1,251,769	Great Britain	2/23/1972	
SF-110	4/30/1970	"	"	7,018,447	France	3/29/1971	
SF-109	4/30/1970	"	"	947,069	Canada	5/14/1974	
SF-108*	10/30/1969	M R Kitzen	Method for Straight-Through Cracking of Hydrocarbons (Corr to US Pat 3,573,012) (S-383)	Abandoned	Japan	7/27/1972	Linde
SF-107	10/30/1969	"	"	745,061	Belgium	7/28/1970	Linde
SF-106*	10/30/1969	"	"	Abandoned	Holland	11/3/1972	Linde
SF-105	10/30/1969	"	"	2,031,548 {7,004,879}	France	4/22/1974	Linde
SF-104	10/30/1969	"	"	888,996	Italy	4/1/1971	Linde
SF-103	10/30/1969	"	"		Germany		Linde
SF-102	10/30/1969	"	"	928,727	Canada	6/19/1973	Linde
SF-101	10/30/1969	"	"	1,250,123	Great Britain	1/19/1970	Linde
SF-100*	10/30/1969	Q M Bloom	Strip Preheating (Corr to US Pat 3,532,329) (S-389)	649,216	Japan	6/22/1972	
SF-99*	10/30/1969	"	"	453,833	Australia	10/22/1969	
SF-98	10/30/1969	"	"	1,954,963	Germany	11/1/1969	
SF-97	10/30/1969	"	"	6,936,994	France	4/29/1974	
SF-96	10/30/1969	"	"	740,923	Belgium	4/28/1970	
SF-95	10/30/1969	"	"	149,855	Holland	10/16/1976	
SF-94	10/30/1969	"	"	1,219,399	Great Britain	5/12/1971	
SF-93	10/22/1968	I G Benkert M R Kitzen	Vertoil Tube Heater (Corr to US Pat 3,492,973) (S-384)	847,316	Canada	7/21/1970	Linde
SF-92	10/1/1968	"	"	851,527	Italy	11/5/1969	Linde
SF-91*	10/1/1968	"	"	1,593,384	France	5/25/1970	Linde
SF-90*	10/1/1968	"	"	Abandoned	Germany	1/8/1974	Linde

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Case No.	Filed	Inventor	Title	Patent Number	Country	Date	Remarks
SF-89*	7/28/1967	Frederic O Hess	Metal Heating (Corr to US Pat 3,345,846) (S-370)	Abandoned	Japan		
SF-88	7/26/1967	"	"	853,656	Canada	10/13/1970	
SF-87*	5/2/1967	"	"	702,050	Belgium	1/29/1968	
SF-86*	5/2/1967	"	"	810,076	Italy	4/16/1968	
SF-85*	5/2/1967	"	"	1,147,365	Great Britain	7/30/1969	
SF-84*	5/2/1967	"	"	1,557,656	France	1/13/1969	
SF-83*	5/2/1967	"	"	Abandoned	Germany	10/20/1972	
SF-82*	3/9/1967	Kurt W Fleischer	Tube Support (Corr to US Pat 3,384,053) (S-367)	833,082	Italy	1/2/1969	
SF-81*	3/9/1967	"	"	1,535,553	France	7/1/1968	
SF-80*	3/9/1967	"	"	1,148,567	Great Britain	8/13/1969	
SF-79*	3/9/1967	"	"	Abandoned	Germany	2/3/1971	
SF-78*	3/9/1967	"	"	Abandoned	Japan	10/27/1970	
SF-77*	3/9/1967	R M Breckenridge C D Ives	Tube Heater (Corr to US S/N 541,305) (S-364)	810,037	Italy	4/16/1968	
SF-76*	3/9/1967	"	"	1,517,646	France	2/5/1968	
SF-75*	3/9/1967	"	Improvements in or Relating to Fluid Heaters of the Tubular Type (Corr to US Pat 3,361,419)	1,135,877	Great Britain	4/1/1969	
SF-74*	3/9/1967	"	Tube Heater (Corr to US S/N 541,305) (S-364)	Abandoned	Germany	4/4/1971	
SF-73*	3/9/1967	"	"	Abandoned	Japan	6/30/1970	
SF-72*	6/8/1966	M R Kitzzen	Concurrent Cracking (Corr to US Pat 3,470,263) (S-363)	Abandoned	Japan	5/7/1975	Linde
SF-71*	6/8/1966	"	"	Abandoned	Holland	5/23/1979	Linde
SF-70	6/8/1966	"	"	1,151,106	Great Britain	5/7/1969	Linde
SF-69*	6/8/1966	"	"	1,604,813	France	4/17/1972	Linde
SF-68	6/8/1966	"	"	1,593,458	Germany	11/8/1966	Linde

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SF-67*	7/27/1965	M R Kitzen	High Severity Pyrolysis of Hydrocarbons (Corr to US Pat 3,353,920) (S-349)	1,451,819	France	7/25/1966	Linde
SF-66	7/27/1965	"	"	781,911	Canada	4/2/1968	Linde
SF-65*	7/27/1965	"	"	Abandoned	Japan	10/20/1972	Linde
SF-64	7/15/1965	"	"	1,121,528	Great Britain	7/31/1968	Linde
SF-63*	1/29/1965	"	"	Abandoned	Germany	10/20/1972	Linde
SF-62	7/27/1965	Frederic O Hess	Tube Heater (Corr to US Pat 3,361,538) (S-352)	756,381	Canada	4/11/1967	Linde
SF-61	7/27/1965	"	"	1,021,605	Japan	12/10/1973	Linde
SF-60*	7/27/1965	"	"	743,951	Italy	1/16/1967	Linde
SF-59*	7/27/1965	"	"	Abandoned	Holland	11/3/1970	Linde
SF-58*	7/27/1965	"	"	1,448,488	France	6/27/1966	Linde
SF-57*	7/27/1965	"	"	1,284,949	Germany	12/12/1968	Linde
SF-56	7/27/1965	"	"	1,072,278	Great Britain	10/4/1967	Linde
SF-55*	8/18/1964	Fraser M Wall	Industrial Burner (Corr to US Pat 3,221,797)	1,411,488	France	8/9/1965	
SF-54*	8/18/1964	"	"	Abandoned	Germany	6/1/1970	
SF-53*	8/18/1964	"	"	740,812	Italy	1/16/1967	
SF-52	8/18/1964	"	"	1,017,329	Great Britain	5/4/1966	
SF-51*		Hans R Dolf William E Marceau	Glass Melting (Div of SF-46)	738,595	Italy	4/10/1964	
SF-50	5/15/1964	Fred W Rauskolb	Web Drying (Corr to US Pat 3,293,770)	311,471	Sweden	9/18/1969	
SF-49*	5/15/1964	"	"	Abandoned	Norway	12/24/1970	
SF-48	4/13/1964	Maurice R Kitzen	Method of Producing Fuel Gas (Corr to US S/N 278,352)	1,279,886	Germany	3/3/1969	
SF-47*	4/13/1964	"	"	Abandoned	Great Britain	1/23/1967	

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Patent and Trademark Security Agreement - (Selas Corporation of America)  
 Patents - (Burners Components Business) - Part B - Foreign Patents

Case No.	Filed	Inventor	Title	Patent Number	Country	Date	Remarks
SF-46*	3/12/1964	Hans R Dolf William E Marceau	Glass Melting [Corr to US S/N 242,515 (S-329) and US S/N 246,615 (S-331)] (US Pat 3,260,587)	720,866	Italy	4/20/1964	
SF-45*	3/12/1964	"	"	1,402,945	France	5/10/1965	
SF-44*	3/12/1964	"	"	647,182	Belgium	4/27/1964	
SF-43	3/12/1964	"	"	1,038,481	Great Britain	5/4/1966	
SF-43-A	4/14/1964	"	Glass Melting (Div of SF-43)	1,028,482	Great Britain	4/14/1964	
SF-42*	3/12/1964	"	"	1,233,983	Germany	6/2/1967	
SF-41*	2/25/1964	"	"	773,492	Canada	12/12/1967	
SF-40	2/6/1964	Fred W Rauskolb	Web Drying (Corr to US Pat 3,293,770) (S-337)	719,815	Canada	10/19/1965	
SF-39		Frederic O Hess	Industrial Burner	696,839	Canada	10/27/1964	
SF-38	6/15/1962	Frederic O Hess John Roger Williams	Industrial Burner (Corr to US Pat 3,212,558 and 3,262,484) (S-313 and S-316)	688,893	Canada	6/16/1964	
SF-37*	6/15/1962	"	"	255,138	Australia	3/8/1965	
SF-36*	6/15/1962	"	"	673,661	Italy	11/5/1964	
SF-35*	6/15/1962	"	"	944,372	Great Britain	12/11/1963	
SF-34*	6/13/1962	"	Industrial Burner (Corr to US Pat 3,262,484) (S-316)	436,193	Japan	8/15/1964	
SF-33*	6/13/1962	"	Industrial Burner (Corr to US Pat 3,212,558) (S-313)	427,591	Japan	8/6/1964	
SF-32	6/13/1962	"	"	1,345,587	France	12/9/1963	
SF-31*	6/13/1962	"	"	1,286,678	W Germany	4/29/1969	
SF-31A*	1/3/1962	Emil Blaha	Glass Batch Pellets (Corr to US S/N 105,567) (S-307) (US Abandoned)	745,666	Canada	11/1/1966	

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Patent and Trademark Security Agreement - (Selas Corporation of America)  
 Patents - (Burners Components Business) - Part B - Foreign Patents

Case No.	Filed	Inventor	Title	Patent Number	Country	Date	Remarks
SF-30	8/22/1961	Emil Blaha	Improvements in or Relating to a Cellular Ceramic Prdt & Method of Making Same (Corr to US Pat 3,056,184) (S-274)	712,626	Canada	6/29/1965	
SF-29*	8/22/1961	"	"	248,755	Australia	1/3/1964	
SF-28*	8/22/1961	"	"	416,118	Japan	12/23/1963	
SF-27	8/22/1961	"	"	1,471,408	W Germany	6/16/1972	
SF-26	8/22/1961	"	"	1,352,809	France	1/13/1964	
SF-25*	12/1/1960	Emil Blaha	Tower Furnace System (Corr to S-266 and S-270) (US Abandoned)	598,607	Belgium	1/13/1961	
SF-24	10/28/1959	"	"	1,408,368	W Germany	10/22/1970	
SF-23*	10/28/1959	"	"	902,189	Great Britain	12/11/1959	
SF-22*	3/9/1959	Emil Blaha	Continuous Glass Making (Corr to S-266 and S-270) (US Abandoned)	1,219,472	France	3/25/1959	
SF-21*	1/7/1959	"	"	670,974	Canada	9/24/1963	
SF-20	1/7/1959	Emil Blaha	Centrifugal Apparatus (Corr to S-266)	682,714	Canada	3/24/1964	
SF-19*	1/22/1958	Hans Koerner	Rotary Furnace (Corr to S-259)	1,175,828	W Germany	10/13/1964	
SF-18*	1/22/1958	"	"	606,746	Canada	10/11/1960	
SF-17*	12/9/1957	Emil Blaha	Fusing of Clay Particles (Corr to S-233 and S-251) (US Abandoned)	610,093	Canada	12/6/1960	
SF-16	12/9/1957	Emil Blaha	Method of Forming Clay Spheres (Corr to S-233 and S-250)	621,250	Canada	5/30/1961	

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Patent and Trademark Security Agreement - (Selas Corporation of America)  
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Case No.	Filed	Inventor	Title	Patent Number	Country	Date	Remarks
SF-15*	8/3/1955	Frederic O Hess	Radiomatic Stove Burner (Corr to US Pat 2,870,828)	1,136,330	France	12/29/1956	
SF-14*	8/3/1955	"	(S-196 and S-210)	1,042,864	Germany	2/19/1959	
SF-13*	7/6/1963	Frederic O Hess	Tube Heater (Corr to US Pat 2,638,879) (S-111)	Abandoned	Germany	10/14/1963	

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Patent and Trademark Agreement - (Selas Corporation of America)  
 Schedule B - Trademarks - (Burners Components Business)

Filed	Title	TM Number	Country	Date	Remarks	Next Renewal
	Trademark: Enviro-QOR		USA			
	Trademark: LFG-Blender		USA			
	Trademark: Torch-Lite		USA			
	Trademark: Sensa-Lite		USA			
	Trademark: Cone-Tip		USA			
	Trademark: MPDP		USA			
	Trademark: ISGAD		USA			
	Trademark: Flat-Flame		USA			
	Trademark: Verta-Flame		USA			
9/28/1995	Trademark: PosiMix (Class 9)	TM 2,064,552 <sup>A-77</sup> <del>616104</del> USA	USA	5/27/1997		May 27, 2013
9/20/1995	Trademark: PosiMix		USA		Cancelled See S-487-95	
2/26/1979	Trademark: Trim Blend (Class 9)	TM 1,227,940	USA	2/15/1983		February 15, 2013
9/26/1975	Service Mark: Selas (Class 42)	SM 1,066,442	USA	5/24/1977		May 24, 2007
7/10/1974	Trademark: Flotronics	TM 1,016,806	USA	7/29/1975		
6/13/1975	Service Mark: The Heat Technology Company (Class 37)	SM 1,072,874	USA	9/6/1977		December 1, 2006
6/13/1974	Service Mark: Selas	SM 1,018,505	USA	8/19/1975		August 19, 2005

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 Schedule B - Trademarks - (Burners Components Business)

	(Class 37)								
2/14/1974	Trademark: Tempuser (Class 11)	TM 1,019,322	USA	9/2/1975	May not be renewed	September 2, 2015			
1/19/1971	Trademark: Selas & Design (Class 26)	TM 940,934	USA	8/15/1972		August 15, 2012			
1/19/1971	Trademark: Selas & Design (Classes 23, 31 & 34)	TM 947,559	USA	11/21/1972		November 21, 2012			
	Trademark: Vacu-Draw (Class 34)	TM 866,347	USWA	3/11/1969	may not be renewed	March 11, 2009			
	Trademark: Karbo-Matic (Class 34)	TM 851,922	USA	7/2/1968		July 2, 2008			
6/8/1966	Trademark: Duradient (Class 34)	TM 831,805	USA	7/11/1967		July 11, 2007			
12/19/1960	Trademark: Qual-O-Rimeter (Class 26)	TM 723,571	USA	11/7/1961		11/7/20001			
10/25/1955	Trademark: High Gradient (Class 38)	TM 630,474	USA	7/10/1956	Not Being Used As Of 5/75				
6/1/1955	Trademark: Convectair (Class 34)	TM 650,078	USA	8/13/1957	Not Renewed in 1997				
11/16/1954	Trademark: Liqui-Jector (Class 31)	TM 613,148	USA	9/27/1955					
9/24/1954	Trademark: Steril-Aqua	TM 611,073	USA	8/23/1955	Not Being Used As Of 5/75				
3/24/1954	Trademark: Radiamatic	TM 602,166	USA	2/15/1955	Cancelled				

Patent and Trademark Agreement - (Selas Corporation of America)  
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10/21/1952	Trademark: Vapesorber and Design (Class 31)	TM 608,315	USA	7/5/1955	
1/27/1951	Trademark: Selas & Design (Class 26)	TM 577,865	USA	7/28/1953	Expired
1/29/1951	Trademark: Selas & Design (Class 34)	TM 559,327	USA	5/27/1952	May 27, 2012
1/29/1951	Trademark: Selas & Design (Class 23)	TM 565,239	USA	10/14/1952	
8/12/1948	Trademark: Gradiation (Class 34)	TM 519,096	USA	12/20/1949	Expired
7/5/1947	Trademark: Flo-Scope (Class 26) Amended-Renewed 4/15/69	TM 509,242	USA	5/3/1949	
5/10/1947	Trademark: Gradiation (Class 34)	TM 439,917	USA	7/27/1948	
11/11/1946	Trademark: Selas (Class 34)	TM 441,404	USA	11/23/1948	November 23, 2008
10/22/1946	Trademark: Selas & Design (Class 34)	TM 441,403	USA	11/23/1948	November 23, 2008
10/12/1946	Trademark: Selas & Design (Class 31)	TM 443,229	USA	8/16/1949	
1/26/1946	Trademark: Selas & Design (Class 23)	TM 444,320	USA	11/21/1950	
10/29/1945	Trademark: Selas & Design (Class 26)	TM 443,055	USA	7/12/1949	

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8/10/1944	Trademark: Flo-Scope (Class 26)	TM 438,372	USA	4/20/1948		April 20, 2008
8/10/1944	Trademark: Refrak		USA	1946	Abandoned	
8/10/1944	Trademark: Duradiant (Class 34)	TM 418,677	USA	1/8/1946	Expired See 831,805	
7/27/1944	Trademark: Liquid-Jector	TM 413,128	USA	4/10/1945	Expired	
	Trademark: Selas (Class 23)	TM 84,344	USA	11/28/2011		November 28, 2010
	Trademark: Selas (Class 11)	TM 1,132,201	ARGENTINA	5/2/1985	See 613,148	January 29, 2007
	Trademark: Selas (Class 11)	TM 1,184,202	ARGENTINA	11/13/1985		January 29, 2007
	Trademark: Selas (Class 1)	TM 1,189,363	ARGENTINA	1/7/1986		January 7, 2006
	Trademark: Selas	TM 1,203,539	ARGENTINA	5/5/1986		October 2, 2007
	Trademark: Selas and Orange Circle (CI 11)	TM A256,584	AUSTRALIA	3/7/1972		March 7, 2007
	Trademark: Karbo-Matic (with Selas Logo)	TM A330,991	AUSTRALIA	4/2/1979		April 2, 2010
	Trademark: Karbo-Matic	TM A362,114	AUSTRALIA	7/1/1981		April 2, 2010
	Trademark: Selas (Classes 6,9,11,14,16,19)	TM 85,639	BENELUX	2/11/1974		November 30, 2004
	Service Mark: Selas	TM 152,789	BENELUX	4/7/1987		April 7, 2004

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 Schedule B - Trademarks - (Burners Components Business)

CTM Appl: Selas	TM 176,644			4/1/1996		April 1, 2006
Trademark: Selas and Orange Circle (CI 9,11)	TM 309,740	BENELUX		3/1/1972		March 1, 2012
Trademark: Selas	TM 006726143	BRAZIL		7/25/1978		July 25, 2008
Trademark: Selas (Classes 7,11)	TM 9363	BULGARIA		1/25/1974		January 25, 2004
Trademark: Selas	TM 169,496	CANADA		6/5/1970		June 5, 2015
Trademark: Selas and Orange Circle	TM 187,939	CANADA		1/19/1973		January 19, 2018
Trademark: Selas Corporation of America	TM 1,479,995	FRANCE		10/29/1968		July 26, 2008
Trademark: Selas	TM 1,479,996	FRANCE		10/29/1968		July 26, 2008
Trademark: Selas (International Registration) (Classes 6,7,9,11,14,17)	TM 213,855	GERMANY		19/25/38		October 20, 2008
Trademark: Selas (Classes 6,7,8,9,11,12)	TM 223,144	GERMANY		3/21/2018		April 30, 2007
Trademark: Selas (International Registration) (Classes 6,7,8,9,11,14)	TM 276,628	GERMANY		11/25/2023		November 25, 2003
Trademark: Selas (Classes 6,7,9,11,12,14)	TM 503,681	GERMANY		7/2/1938		March 11, 2008
Trademark: Selas (Classes 7,9,11,19)	TM 905,356	GERMANY		2/4/1972		February 4, 2012



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Service Mark: Selas (Classes 37,42)	TM 1,024,021/42	GERMANY	10/8/1981		April 2, 2009
Trademark: Selas (Classes 7,9,11,30)	TM R2,070,498	GERMANY	10/20/1992		October 20, 2012
Trademark: Duradiant (Class 11)	TM A821,670	GREAT BRITAIN	6/8/1961		June 8, 2006
Trademark: Selas (Classes 7,11)	TM 52,065	GREECE	1/24/1974		January 24, 2004
Trademark: Selas (Class 11)	TM 378,207	INDONESIA	11/24/1995		November 24, 2005
Trademark: Selas (Class 9)	TM 856,033	JAPAN	5/13/1970		January 1, 2010
Trademark: Selas (Class 9)	TM 872,980	JAPAN	9/14/1970		April 15, 2010
Trademark: Selas with Orange Circle (Class 9)	TM 2,030,924	JAPAN	3/30/1988		January 1, 2008
Trademark: Selas with Orange Circle (Class 10)	TM 2,089,832	JAPAN	10/26/1988		May 12, 2008
Service Mark: Selas (Class 37)	SM 8,203	KOREA	5/17/1988		May 17, 2008
Trademark: Selas (Class 34)	TM 134,795	KOREA	12/15/1986		December 15, 2006
Trademark: Selas	TM 134,796	KOREA	12/15/1986		December 15, 2006

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 Schedule B - Trademarks - (Burners Components Business)

(Class 34)								
Trademark: Selas (Class 38)	TM 136,862	KOREA	1/12/1987				January 12, 2007	
Trademark: Selas with Orange Circle (Class 38)	TM 136,863	KOREA	1/12/1987				January 12, 2007	
Trademark: Selas (Classes 7,8,9,11,12,16,17,21)	TM 184,359	MEXICO	4/26/1974				April 26, 2004	
Trademark: Selas (Classes 4,7,11,21)	TM 184,806	MEXICO	4/26/1974				April 26, 2004	
Trademark: Selas (Classes 1,6,8,9,11,12,14,16)	TM 186,944	MEXICO	4/26/1974				April 26, 2004	
Trademark: Sleas (Classes 35,36,37,38,39,40, 41,42)	TM 2745/65,2874	MONACO	8/2/1965				August 2, 2005	
Trademark: Selas (Classes 7,11)	TM 52,632	POLAND	4/22/1974				April 22, 2004	
Trademark: Selas (Class 7)	TM 74,0251	SOUTH AFRICA	1/17/1974				January 17, 2014	
Trademark: Selas (Class 11)	TM 74,0252	SOUTH AFRICA	1/17/1974				January 17, 2014	
Trademark: Selas (Classes 7,9,11)	TM 348,323	SWITZERLAND	3/25/1966				August 15, 2006	
Trademark: Selas and Design (Classes 7,9,11)	TM 348,434	SWITZERLAND	3/25/1966				March 24, 2006	



