

08-20-2002



102196277

Docket No: 112690-197;897;898;899

Form PTO-1595
(Rev. 03/01)
OMB No. 0651-0027 (exp. 5/31/2002)

RECORDATION FORM COVER SHEET PATENTS 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):

Harris Corporation
Ecco Parent Ltd.

18/16 02

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

Name: Littelfuse, Inc.

Internal Address: _____

Street Address: 800 East Northwest Highway

City: Des Plaines State: IL Zip: 60016-3096

Country: USA

Additional name(s) & address(es) attached? ☐ Yes ☒ No

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

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date(s): October 19, 1999

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)

09/665,283
09/946,294

B. Patent No.(s)

6,388,555
6,307,462

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Robert W. Connors, Esq.
Bell, Boyd & Lloyd LLC
P.O. Box 1135
Chicago, Illinois 60690-1135

6. Total number of applications and patents involved: 4

7. Total fee (37 CFR 3.41).....\$ 160.00

☒ Enclosed

☒ Authorized to be charged to deposit account

8. Deposit account number:

02-1818

(Attach duplicate copy of this page if paying by deposit account)

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.

Robert W. Connors (Reg. No. 46,639)

Name of Person Signing

Signature

August 9, 2002

Date

Total number of pages including cover sheet, attachments, and documents: 14

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, DC 20231

08/19/2002 09:00:01 00000066 09665283

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PATENT
REEL: 013193 FRAME: 0131

This INTELLECTUAL PROPERTY AGREEMENT (this "Agreement") is made and entered into as of October 19th, 1999, by and between Harris Corporation ("Harris"), a Delaware corporation, and Ecco Parent Ltd. (Ireland) (collectively, "Sellers"), and Littelfuse, Inc. ("Buyer").

RECITALS:

WHEREAS, Sellers presently conduct the Suppression Products Business;

WHEREAS, Sellers desire to sell and Buyer desires to purchase Sellers' right to manufacture, market and sell the Suppression Products and certain assets, rights and properties of Sellers used or useful in connection with the Suppression Products Business, all on the terms and subject to the conditions set forth in the Master Transaction Agreement between Buyer and Harris dated August 25, 1999.

WHEREAS, Sellers own or control and have or may have various Intellectual Property rights which relate to or are utilized in the conduct of the Suppression Products Business and the manufacture, marketing and sale of the Suppression Products, and which Buyer desires to acquire by assignment or utilize under License; and

WHEREAS, Sellers wish to grant ownership or licenses to Buyer under the various Intellectual Property rights owned or controlled by Sellers;

NOW, THEREFORE, in consideration of the mutual covenants, representations, warranties and agreements herein contained, and other good and valuable consideration, the parties hereby agree as follows:

I. DEFINITIONS AND RULES OF CONSTRUCTION

Exhibit A to the Master Agreement is incorporated herein by reference.

II. REPRESENTATIONS AND WARRANTIES OF SELLERS

2.1 To the Sellers' IP Knowledge, all owned Software (excluding Transition Services Software) and owned Technology that are specific to the Suppression Products Business are being made available to Buyer through the provisions of this Agreement.

2.2 To the Sellers' IP Knowledge, Schedule 2.2 to this Agreement lists all Patents specific to the operation of the Suppression Products Business.

2.3 To the Sellers' IP Knowledge, Schedule 2.3 to this Agreement lists all Invention Disclosures specific to the operation of the Suppression Products Business.

2.4 To the Seller's IP Knowledge, Schedule 2.4 to this Agreement lists all Trademarks specific to the operation of the Suppression Products Business, provided that Buyer understands that the aforesaid Trademarks have not been registered with the United States Patent and Trademark Office or any other Governmental Authority trademark registration office and that Sellers make no representations, express or implied, as to their ownership of such Trademarks.

2.5 To the Sellers' IP Knowledge, except for the License Agreements listed in Schedule 2.5 to this Agreement, and licenses granted in connection with sales of Suppression Products in the ordinary course of business, no other material License Agreements specific to the Suppression Products Business have been entered into with Third Parties by the Business Entities.

2.6 To the Sellers' IP Knowledge, Schedule 2.6 lists all pending third-party suits or notices thereof and written claims or notices to which the Business Entities, or any one or more of them, is a party or recipient, and which (i) relate to License Agreements or Software Licenses which relate to the Suppression Products Business, or (ii) involve any claim by a third party that the sale or use of any product or process in connection with the Suppression Products Business infringes any copyright, maskwork, patent, or Trademark of a third party or involves the misappropriation of any software, technology or trade secret of a third party.

III. ASSIGNMENTS AND TRANSFERS

3.1 Intangible Property Rights. Sellers hereby assign and transfer to Buyer, all right, title and interest of Sellers in and to the Intangible Property Rights that are specific to the operation of the Suppression Products Business. Upon the written request of Buyer, Sellers will use commercially reasonable efforts to confirm and, to the extent appropriate, to record the aforesaid assignment.

3.2 Owned Software and Technology. Sellers hereby assign and transfer all of their ownership, right, title and interest in and to the Software (excluding Transition Services Software) and Technology that are owned by the Business Entities and specific to the Suppression Products Business to Buyer. Certain of such Software and Technology may not presently reside in the Transferred Facility. Upon the written request of Buyer, and to the extent practical, Sellers will use all necessary efforts to deliver, or cause to be delivered, all such non-resident Software and Technology to the Transferred Facility.

3.3 Licensed Software.

(a) Sellers hereby agree, to the extent that they are able to do so, to use commercially reasonable efforts to take or to cause others to take, at Buyer's expense and request, all actions necessary to assign, or, if not assignable, to sublicense to the extent they are able to do so, to Buyer the rights to use the Licensed Software listed in Schedule 3.3 to this Agreement

(b) To the extent that Licensed Software assigned or sublicensed to Buyer pursuant to Section 3.3(a) does not reside in the Transferred Facility as of the Closing Date, and to the extent that Sellers have a right to do so, Sellers will use commercially reasonable efforts to deliver or

cause to be delivered all such non-resident Licensed Software (or copies of such Licensed Software, as the case may be) to Buyer promptly at the written request of Buyer following the Closing Date.

3.4 Patents. Sellers hereby assign and transfer to Buyer, all right, title and interest of Sellers in and to the Patents included in Schedule 2.2 to this Agreement, subject to preexisting license rights, including License Agreements. All such License Agreements and preexisting license rights are listed on Schedule 3.4 to this Agreement.

3.5 Invention Disclosures. Sellers hereby assign and transfer to Buyer, all right, title and interest of Sellers in and to the Invention Disclosures included in Schedule 2.3 to this Agreement subject to preexisting license rights, including License Agreements. All such License Agreements and preexisting license rights are listed in Schedule 3.5 to this Agreement.

3.6 Trademarks. Sellers hereby assign and transfer to Buyer, all right, title and interest of Sellers in and to the Trademarks included in Schedule 2.4 to this Agreement.

3.7 License Agreements. Sellers hereby assign to Buyer their entire right, title, and interest in and to the License Agreements listed in Schedule 2.5 which are specific to the Suppression Products Business to the extent Sellers are able to do so without obtaining the consent of a third party. If any of such License Agreements are found to be not assignable to Buyer and are material to the Suppression Products Business as conducted by Buyer, Sellers will use commercially reasonable efforts as requested by Buyer to provide the economic benefit of such License Agreements to Buyer, and upon doing such, shall be deemed to have satisfied the requirements of Section 2.5 and this Section 3.7.

IV. ADDITIONAL OBLIGATIONS

4.1 Documentation. At and after the Closing Date, each party hereto will execute and deliver any deeds, bills of sale, assignments or assurances and take and do any other actions and things reasonably necessary to vest, perfect or confirm of record or otherwise, in the other party, any and all right, title and interest in, to and under any of the rights, properties or assets of the party acquired or to be acquired by the other party as a result of, or in connection with, this Agreement.

4.2 Additional Transfers to Buyer. If, subsequent to the Closing Date, either party identifies any Intellectual Property rights that are specific to the operation of the Suppression Products Business and not specifically identified in this Agreement, then upon written notice thereof, Sellers shall either (i) in the case of such Intellectual Property rights owned by Sellers, promptly transfer all right, title and interest in such Intellectual Property to Buyer, or (ii) in the case of such Intellectual Property rights not owned by Sellers, promptly transfer all right, title and interest in such Intellectual Property to Buyer to the extent Sellers are able to do so. If, subsequent to the Closing Date, either party identifies any Intellectual Property rights that are material but not specific to the operation of the Suppression Products Business and not specifically identified in this Agreement, then upon notice thereof Sellers shall use all commercially reasonable efforts to grant to Buyer a royalty free, worldwide, non-exclusive

license to use such Intellectual Property to manufacture, market and sell the Suppression Products. The obligation of Sellers under this Section 4.2 shall be Buyer's sole remedy for any failure to identify or assign or license such Intellectual Property rights, except in the case of wilful misconduct. If Seller identifies any such specific or material Intellectual Property rights Seller shall promptly notify Buyer and identify the Intellectual Property right.

4.3 Grant-Backs. Buyer agrees that, upon Sellers' reasonable request, Buyer and its Subsidiaries shall reassign or return, as the case may be, to Sellers any Intellectual Property that may reside in the Transferred Facility as of the Closing Date but were not transferred, assigned or sublicensed to Buyer, or that may have been inadvertently transferred or delivered by Sellers to Buyer but should not have been so transferred or delivered.

4.4 Continuing Rights of Sellers.

(a) Subject to Paragraph (b) below, Sellers hereby reserve, and Buyer hereby grants, to Sellers a royalty-free, worldwide, nonexclusive license under the Intellectual Property rights to manufacture and incorporate products into other products to be sold to third parties.

(b) For the first three (3) years following the Closing Date, Sellers shall practice the license reserved and granted pursuant to Section 4.4(a) only in manners consistent with the provisions of Section 7.2 of the Master Agreement. After such three (3) year period, the license reserved and granted pursuant to Section 4.4(a) shall be unrestricted by such Section 7.2.

4.5 Additional Agreements.

(a) In support of the patenting and utilization of Invention Disclosures by Buyer or the Transferred Subsidiaries, Sellers agree, upon the written request of Buyer, to make corresponding assignments to Buyer or such Subsidiaries as may be appropriate, of its rights and remedies against the inventors thereof, or any of them, so far as relating to such unpatented inventions and arising by operation of law, estoppel, implication or express contract, including, without limitation, those rights as expressed in contracts between Sellers and present and past employees and consultants.

(b) If the assignment of any Intellectual Property right, or the grant of any non-assertion hereunder, would impose or result in any obligation of Sellers to make any payments under Applicable Law or by reason of agreement existing prior to the Closing Date, excepting only as such payment may be required to be made to a Subsidiary of Sellers, but including any such payments as may be due upon licensing (but not for Sellers' own use) to inventors under the laws of any country, then and in such event the assignment or non-assertion shall be effective as of the Closing Date, but shall be subsequently rescindable by Sellers unless and until Buyer undertakes by binding instrument in writing to make such payment in the place and stead of Sellers. Sellers shall notify Buyer in writing at least sixty (60) days in advance of any such obligation(s) to make payments which are within its reasonable knowledge.

(c) Except for the express representations and warranties in this Agreement or the Master Agreement, no warranty or representation is hereby given or implied with respect to the validity of any Patent or the ownership of any Intellectual Property.

(d) Except as otherwise expressly provided herein, no obligation is hereby assumed by Buyer or Sellers or their Subsidiaries to maintain, prosecute, enforce or litigate, file, assert, or defend any Patent or Patent to issue on Invention Disclosure within the scope of this Agreement.

(e) The rights transferred or granted to, or retained by, any party under this Agreement may be transferred or granted to others by such party together with the business to which such rights pertain, or pro tanto with a sale of a part of that business; provided that such transfer or grant shall not diminish or otherwise adversely affect the rights held or retained by the party hereto not involved in such transfer.

4.6. Closing Transfers Concerning Patents. Patents are owned by either Harris or Harris Ireland Limited ("HI"). The record owners of Patents owned by HI include HI's predecessors. At the Closing, Sellers will deliver, or cause to be delivered, (a) suitable for recording in the United States Patent and Trademark Office, assignments to Buyer of the United States-issued patents and applications therefor included in Patents that are owned by HI and Harris, and (b) suitable for recording in the appropriate offices of foreign jurisdictions, assignments to Buyer, or one or more of its designated Subsidiaries, of foreign-issued patents and applications therefor included in Patents that are owned by HI and Harris. Such assignments shall be in form and substance reasonably satisfactory to Buyer and its counsel. Sellers shall be responsible for Sellers' and Sellers' predecessors expenses incurred under this Section 4.6.

V. MISCELLANEOUS PROVISIONS

5.1 Survival. The representations and warranties of Sellers in this Agreement, including the Schedules hereto, shall survive for the period specified in the Master Agreement and then expire.

5.2 Confidentiality.

(a) Following the Closing, as to the Intellectual Property transferred and assigned hereunder, Sellers, and as to that Intellectual Property subject to Sections 4.3 and 4.5 of this Agreement, Buyer, shall (i) maintain the confidentiality of, and (ii) not divulge, to any Person, all confidential or proprietary information, except with the prior written consent of the other party or to the extent that such information is required to be divulged by legal process or as it may have otherwise become public information without breach of this Agreement; provided, however, that Buyer, Sellers and their Subsidiaries shall not be subject to the obligation of confidentiality for information that (x) otherwise becomes lawfully available after the Closing Date on a non-confidential basis from a third party who is not under an obligation of confidentiality to the other party, (y) is or becomes generally available to the public without breach of this Agreement, or (z) is disclosed by a party having such obligation more than five (5) years after Closing.

(b) Each of the parties, in carrying out its obligations of confidentiality set forth in this Section 5.2, shall follow those procedures, and observe that standard of care, that such party follows and observes with respect to its own confidential information and proprietary

data that is not the subject matter of this Agreement but which is of similar importance. However, any inadvertent disclosure, despite the exercise of such a standard of care, shall not constitute a breach of this Section 5.2.

5.3 Agreement Conventions. Exhibit B to the Master Agreement is incorporated herein by reference.

IN WITNESS WHEREOF, the parties each have caused this Agreement to be duly executed by a duly authorized officer and delivered in its name and on its behalf, all as of the day and year first above written.

HARRIS CORPORATION

By: R. R. Spoehel
Ronald R. Spoehel
Vice President-Corporate Development

ECCO PARENT LTD. (IRELAND)

By: D. S. Wasserman
David S. Wasserman, Director

BUYER

By: _____
Name: _____
Title: _____

data that is not the subject matter of this Agreement but which is of similar importance. However, any inadvertent disclosure, despite the exercise of such a standard of care, shall not constitute a breach of this Section 5.2.

5.3 Agreement Conventions. Exhibit B to the Master Agreement is incorporated herein by reference.

IN WITNESS WHEREOF, the parties each have caused this Agreement to be duly executed by a duly authorized officer and delivered in its name and on its behalf, all as of the day and year first above written.

HARRIS CORPORATION

By: _____

Name: _____

Title: _____

ECCO PARENT LTD. (IRELAND)

By: _____

Name: _____

Title: _____

LITTELFUSE, INC.

By: _____

Name: Philip G. Franklin Vice President

Title: Treasurer and Chief
Financial Officer

PATENTS SPECIFIC TO SUPPRESSION PRODUCTS BUSINESS

See attached patent listing.

SCHEDULE 2.2

LIST OF PATENTS

(AS OF AUGUST 23, 1999)

Case #	SubCase	Div/Ref #	Country	Status	Application #	Filing Date	Patent #	Issue Date	Title
H3058		RD 12567	US	Granted	239246	02-Mar-1981	4441094	03-Apr-1984	SOLDERABLE LARGELY BASE METAL ELECTRODES FOR METAL OXIDE VA
H3097		28SP01379	DE	Granted	3731966.3	23-Sep-1987	3731966	09-Feb-1995	SURFACE MOUNT VARISTOR
H3097		28SP01379	JP	Pending	62-239140	25-Sep-1987			SURFACE MOUNT VARISTOR
H3097		28SP01379	US	Granted	911929	26-Sep-1986	4706060	10-Nov-1987	SURFACE MOUNT VARISTOR
H3098		28SP01380	JP	Pending	62-239141	25-Sep-1987			VOLTAGE MULTIPLIER VARISTOR
H3098		28SP01380	US	Granted	911931	26-Sep-1986	4785276	15-Nov-1988	VOLTAGE MULTIPLIER VARISTOR
H3129		36-SP-1184	CA	Granted			1182278	12-Feb-1985	VARISTOR WITH TETRAGONAL ANTIMONY ZINC OXIDE ADDITIVE
H3129		36-SP-1184	US	Granted	191314	26-Sep-1980	4397773	09-Aug-1983	VARISTOR WITH TETRAGONAL ANTIMONY ZINC OXIDE ADDITIVE
H3132		36-SP-1210	CA	Granted			1153827	13-Sep-1983	SOLDERABLE VARISTOR
H3412		RD 07519	US	Granted	840262	07-Oct-1977	4364021	14-Dec-1982	LOW VOLTAGE VARISTOR CONFIGURATION
H3414		RD 07658	CA	Granted			1142653	08-Mar-1983	PROCESS FOR PREPARING LOW VOLTAGE VARISTORS
H3414		RD 07658	US	Granted	935589	21-Aug-1978	4377541	22-Mar-1983	PROCESS FOR PREPARING LOW VOLTAGE VARISTORS
H3448		RD 08849	CA	Granted			1148271	14-Jun-1983	MULTI-TERMINAL VARISTOR CONFIGURATION
H3486		RD 11327	US	Granted	247964	26-Mar-1981	4349496	14-Sep-1982	METHOD FOR FABRICATING FREE STANDING THICK FILM VARISTORS
H3495		RD 12006	US	Granted	060920	26-Jul-1979	4285839	25-Aug-1981	VARISTORS WITH UPTURN AT HIGH CURRENT LEVEL
H3627		RD 16175A	DE	Granted	85115302.3	03-Dec-1985	3571890.0	26-Jul-1989	TUBULAR VARISTOR ARRANGEMENT
H3627		RD 16175A	EP	Granted	85115302.3	03-Dec-1985	0184182	26-Jul-1989	TUBULAR VARISTOR ARRANGEMENT
H3627		RD 16175A	FR	Granted	85115302.3	03-Dec-1985	0184182	26-Jul-1989	TUBULAR VARISTOR ARRANGEMENT
H3627		RD 16175A	GB	Granted	85115302.3	03-Dec-1985	0184182	26-Jul-1989	TUBULAR VARISTOR ARRANGEMENT
H3627		RD 16175A	JP	Granted	60-0270864	03-Feb-1985	1625142	16-Nov-1991	TUBULAR VARISTOR ARRANGEMENT
H3627		RD 16175A	NL	Granted	85115302.3	03-Dec-1985	0184182	26-Jul-1989	TUBULAR VARISTOR ARRANGEMENT
H3627		RD 16175A	US	Granted	678726	05-Oct-1984	4638284	20-Jan-1987	TUBULAR VARISTOR ARRANGEMENT
H3747		28SP01358	US	Pending	900458	26-Aug-1986			GROOVED MULTIPLE-LEADED VARISTOR
H3906		36-SP-1122	CA	Granted			1153828	13-Sep-1983	THIN FILM VARISTOR
H3906		36-SP-1122	US	Granted	104564	17-Dec-1979	4272754	09-Jun-1981	THIN FILM VARISTOR
H3918		36-SP-1280	US	Granted	334627	28-Dec-1981	4371860	01-Feb-1983	SOLDERABLE VARISTOR
H4362		XRCA76431B	US	Granted	644452	27-Aug-1984	4567500	28-Jan-1986	SEMICONDUCTOR STRUCTURE FOR PROTECTING INTEGRATED CIRCUITS
H5670		28-EC-0002	US	Granted	07/543516	26-Jun-1990	5235310	10-Aug-1993	VARISTOR POWER COMPOSITIONS
H5670	A	28-EC-0002	US	Pending	08/033104				VARISTOR POWER COMPOSITIONS
H5671		28-EC-0003	DE	Pending	P4108674.0	16-Mar-1991			MULTILAYER VARISTOR WITH PIN RECEIVING APERTURES
H5671		28-EC-0003	FR	Granted	91/03193	15-Mar-1991	91/03193	30-Dec-1994	MULTILAYER VARISTOR WITH PIN RECEIVING APERTURES
H5671		28-EC-0003	GB	Granted	9005991.6	16-Mar-1990	2242065	27-Apr-1994	MULTILAYER VARISTOR WITH PIN RECEIVING APERTURES
H5671		28-EC-0003	IE	Granted	870/91	15-Mar-1991	73644	23-May-1997	MULTILAYER VARISTOR WITH PIN RECEIVING APERTURES
H5671		28-EC-0003	JP	Pending	3-76869	17-May-1991			MULTILAYER VARISTOR WITH PIN RECEIVING APERTURES
H5671		28-EC-0003	US	Pending	07/543528	26-Jun-1990			MULTILAYER VARISTOR WITH PIN RECEIVING APERTURES

REEL: 013193 FRAME: 0140

Case #	SubCase	Div. Ref. #	Country	Status	Application #	Filing Date	Patent #	Issue Date	Title
H5671	A	28-EC-0003	US	Pending	08/206251	04-Mar-1994			MULTILAYER VARISTOR WITH PIN RECEIVING APERTURES
H5671	B	28-EC-0003	US	Pending	08/384805	06-Feb-1995			MULTILAYER VARISTOR WITH PIN RECEIVING APERTURES
H5672		28-EC-0004	DE	Pending	P4108535.3	15-Mar-1991			VARISTOR STRUCTURES
H5672		28-EC-0004	GB	Granted	9005992.4	16-Mar-1990	2242066	27-Apr-1994	VARISTOR STRUCTURES
H5672		28-EC-0004	IE	Granted	87/191	15-Mar-1991	65063	04-Oct-1995	VARISTOR STRUCTURES
H5672		28-EC-0004	JP	Pending	3-76870	17-May-1991			VARISTOR STRUCTURES
H5672		28-EC-0004	US	Granted	07/543921	26-Jun-1990	5115221	19-May-1992	VARISTOR STRUCTURES
H5673		28-EC-0005	DE	Pending	P4108471.3	15-Mar-1991			VARISTOR OF GENERALLY CYLINDRICAL CONFIGURATION
H5673		28-EC-0005	GB	Granted	9005993.2	16-Mar-1990	2242067	04-May-1994	VARISTOR OF GENERALLY CYLINDRICAL CONFIGURATION
H5673		28-EC-0005	IE	Granted	87291	15-Mar-1991	65064	04-Oct-1995	VARISTOR OF GENERALLY CYLINDRICAL CONFIGURATION
H5673		28-EC-0005	JP	Pending	3-76871	16-Mar-1991			VARISTOR OF GENERALLY CYLINDRICAL CONFIGURATION
H5673		28-EC-0005	US	Granted	07/543932	26-Jun-1990	5155464	13-Oct-1992	VARISTOR OF GENERALLY CYLINDRICAL CONFIGURATION
H5674		28-EC-0006	DE	Pending	P4108512.4	15-Mar-1991			VARISTOR MANUFACTURING METHOD AND APPARATUS
H5674		28-EC-0006	FR	Granted	9103194	15-Mar-1991	9103194	28-Apr-1994	VARISTOR MANUFACTURING METHOD AND APPARATUS
H5674		28-EC-0006	GB	Granted	9005994.0	16-Mar-1990	2242068	04-May-1994	VARISTOR MANUFACTURING METHOD AND APPARATUS
H5674		28-EC-0006	IE	Granted	87391	15-Mar-1991	73643	23-May-1997	VARISTOR MANUFACTURING METHOD AND APPARATUS
H5674		28-EC-0006	JP	Pending	3-76872	17-May-1991			VARISTOR MANUFACTURING METHOD AND APPARATUS
H5674	A	28-EC-0006	US	Pending	07/935640	25-Aug-1992			VARISTOR MANUFACTURING METHOD AND APPARATUS
H5674	B	28-EC-0006	US	Granted	08/079159	18-Jun-1993	5837178	17-Nov-1998	VARISTOR MANUFACTURING METHOD AND APPARATUS
H5674	C	28-EC-0006	US	Pending	08/468247	06-Jun-1995			VARISTOR MANUFACTURING METHOD AND APPARATUS
H5674	D	28-EC-0006	US	Pending		17-Feb-1998			VARISTOR MANUFACTURING METHOD AND APPARATUS
H5932		28-EC-0013	CN	Pending	98115190	29-Jun-1998			NICKEL BARRIER END TERMINATION
H5932		28-EC-0013	EP	Pending	98305676.3	16-Jul-1998			NICKEL BARRIER END TERMINATION
H5932		28-EC-0013	GB	Published	9813796.1	16-Jul-1998			NICKEL BARRIER END TERMINATION
H5932		28-EC-0013	JP	Published	10-184993	30-Jun-1998			NICKEL BARRIER END TERMINATION
H5932		28-EC-0013	KR	Pending		30-Jun-1997			NICKEL BARRIER END TERMINATION
H5932		28-EC-0013	US	Pending	08/885859	30-Jun-1997			NICKEL BARRIER END TERMINATION
H5932	A	28-EC-0013	US	Pending		17-Jun-1999			NICKEL BARRIER END TERMINATION
H6053		SE-1017-MV	DE	Unfiled					ZINC PHOSPHATE COATING FOR VARISTOR AND METHOD
H6053		SE-1017-MV	EP	Published	95402769.4	08-Dec-1995			ZINC PHOSPHATE COATING FOR VARISTOR AND METHOD
H6053		SE-1017-MV	FR	Unfiled					ZINC PHOSPHATE COATING FOR VARISTOR AND METHOD
H6053		SE-1017-MV	GB	Unfiled					ZINC PHOSPHATE COATING FOR VARISTOR AND METHOD
H6053		SE-1017-MV	IE	Unfiled					ZINC PHOSPHATE COATING FOR VARISTOR AND METHOD
H6053		SE-1017-MV	IT	Unfiled					ZINC PHOSPHATE COATING FOR VARISTOR AND METHOD
H6053		SE-1017-MV	JP	Published	319011/95	07-Dec-1995			ZINC PHOSPHATE COATING FOR VARISTOR AND METHOD
H6053		SE-1017-MV	US	Granted	08/355220	09-Dec-1994	5614074	25-Mar-1997	ZINC PHOSPHATE COATING FOR VARISTOR AND METHOD
H6053	A	SE-1017-MV	EP	Published	96400993.0	09-May-1996			ZINC PHOSPHATE COATING FOR VARISTOR AND METHOD
H6053		SE-1017-MV	US	Granted	08/786307	22-Jan-1997	5757263	26-May-1998	ZINC PHOSPHATE COATING FOR VARISTOR AND METHOD
H6053	B	SE-1017-MV	US	Pending	09/034308	03-Mar-1998			ZINC PHOSPHATE COATING FOR VARISTOR AND METHOD
H6474		SE-1308-MV	EP	Published	98401806.9	17-Jul-1998			GAS DISCHARGE TUBE WITH A METAL OXIDE VARISTOR HOUSING
H6474		SE-1308-MV	JP	Published	203784/98	17-Jul-1998			GAS DISCHARGE TUBE WITH A METAL OXIDE VARISTOR HOUSING

REEL: 013193 FRAME: 0141

Case #	SubCase	Div. Ref. #	Country	Status	Application #	Filing Date	Patent #	Issue Date	Title
H6474		SE-1308-MV	US	Pending	08/897644	21-Jul-1997			GAS DISCHARGE TUBE WITH A METAL OXIDE VARISTOR HOUSING
H6687		SE-1449-MV	EP	Pending	99111349.9	10-Jun-1999			PHOSPHATE COATING FOR VARISTOR AND METHOD
H6687		SE-1449-MV	JP	Pending	11-177824	24-Jun-1999			PHOSPHATE COATING FOR VARISTOR AND METHOD
H6687		SE-1449-MV	US	Pending	09/108961	02-Jul-1998			PHOSPHATE COATING FOR VARISTOR AND METHOD

INVENTION DISCLOSURES SPECIFIC TO SUPPRESSION PRODUCTS BUSINESS

See attached invention disclosure listing.

SCHEDULE 2.3
LIST OF INVENTION DISCLOSURES
(AS OF AUGUST 23, 1999)

Div/Ref. #	Date Received	Title
SE-1542-MV	7/22/99	THERMAL MOV (METAL OXIDE VARISTOR)
SE-1530-MV	6/29/99	SURFACT MOUNT OR LOW PROFILE MOV PACKAGE
SE-1523-MV	5/3/99	NICKEL BARRIER MULTILAYER VARISTOR
SE-1516-MV	3/19/99	THERMALLY PROTECTED MOV IDEA
SE-1447-MV	6/24/98	PASSIVATION SYSTEM FOR NICKEL BARRIER PROGRAMME, MULTILAYER VARISTORS

RECORDED: 08/16/2002

PATENT
REEL: 013193 FRAME: 0144