PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

EPAS ID: PAT4836364

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TYCO ELECTRONICS CORPORATION	12/29/2006

RECEIVING PARTY DATA

Name:	TYCO THERMAL CONTROLS LLC
Street Address:	2415 BAY ROAD
City:	REDWOOD CITY
State/Country:	CALIFORNIA
Postal Code:	94063

PROPERTY NUMBERS Total: 1

Property Type	Number
Patent Number:	6288372

CORRESPONDENCE DATA

Fax Number: (312)715-5515

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 312-715-5000
Email: roseann.white@quarles.com
Correspondent Name: QUARLES & BRADY LLP
Address Line 1: 300 N. LASALLE ST., SUITE 4000
Address Line 4: CHICAGO, ILLINOIS 60654

ATTORNEY DOCKET NUMBER:	148568.01008
NAME OF SUBMITTER:	ERIN J. FOX
SIGNATURE:	/Erin J. Fox/
DATE SIGNED:	02/22/2018

Total Attachments: 17
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PATENT AND KNOW-HOW ASSIGNMENT

This **PATENT AND KNOW-HOW ASSIGNMENT AGREEMENT** (this "**Agreement**") is entered into and effective on the date of the last Party to sign to this Agreement by and between TYCO ELECTRONICS CORPORATION, a Pennsylvania corporation, the full address of whose principal office or place of business is 2901 Fulling Mill Road, Middletown, Pennsylvania 17057-3163 (hereinafter, "**TYCO ELECTRONICS CORPORATION**" or "**Assignor**") and TYCO THERMAL CONTROLS LLC, a Delaware corporation, the full address of whose principal office or place of business is 2415 Bay Road, Redwood City, California 94063 (hereinafter "**TYCO THERMAL CONTROLS**" or "**Assignee**") (each individually referred to as a "**Party**" and collectively referred to as the "**Parties**").

WHEREAS, TYCO ELECTRONICS CORPORATION is the owner of the patent(s) and/or patent application(s) listed on the attached Schedule A and the inventions described therein (hereinafter "**Patents**");

WHEREAS, TYCO ELECTRONICS CORPORATION is the owner of certain know-how listed on the attached Schedule B (hereinafter "**Know-how**"); and

WHEREAS, TYCO THERMAL CONTROLS is desirous of acquiring the rights to said Patents and Know-how.

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, and effective herewith, said Assignor does hereby assign, convey, transfer and otherwise set over to said Assignee, its successors, and its assigns, all right, title, and interest in and to (i) said Patents including any and all underlying information, data and results relating thereto, and (ii) all right, title, and interest in and to said Know-how including any and all underlying information, data, processes, methodologies and results relating thereto, or to how to make the compounds thereof, and for each of the foregoing, including, but not limited to, all provisionals, divisions, continuations, continuations-in-part, re-examinations, reissues, inventor's certificates, utility models, utility certificates, patents of importation, registration of patents, design registrations and all renewals and extensions of the foregoing for all countries, jurisdictions, and political entities of the world, to be held and enjoyed by Assignee as fully and entirely as it would have been held and enjoyed by Assignor if this sale and assignment had not been made, including all claims, demands, and rights of recovery that Assignor has or may have in profits and damages for past and future infringements, if any, of said Patents and all rights to compromise, sue for, and collect such profits and damages and the right to seek and obtain injunctive relief, as well as the right to invoke and claim the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by a convention which may henceforth be substituted for it, or under any other convention or law of any country which may be applicable to such Patents.

SAID ASSIGNOR hereby consents that a copy of this assignment shall be deemed a full and formal equivalent of any assignment, consent to file, or like document,

which may be required in any country or region for recordation purposes for any of the foregoing rights conveyed herein.

SAID ASSIGNOR hereby covenants that it has the full right to convey the entire right, title, and interest herein assigned, that it has not executed and will not execute any assignment, sale, agreement or encumbrance in conflict herewith, and that it will, upon Assignee's request, promptly execute and deliver to Assignee or its legal representative any and all papers or instruments required to maintain, enforce or vest title in the Patents and Know-how in Assignee or which may be necessary or desirable to carry out the purposes hereof.

SAID ASSIGNOR hereby agrees not to execute any writing or do any act whatsoever conflicting with these presents, and to, at any time upon request, without further or additional consideration but at the expense of said Assignee, execute such additional assignments and other writings and do such additional acts as said Assignee may deem necessary or desirable to perfect the assignee's enjoyment of this grant.

[Signature Page to Follow]

IN WITNESS WHEREOF, the Parties, intending to be legally bound, hereto through duly authorized representatives have executed this Agreement.

Assignor: TYCO ELECTRONICS CORPORATION

Signature: _____ Date: December 29, 2

Name: Timothy E. Flanigan

Title: VP

The above signature was notarized as follows:

State of: New Jersey

County of: Mercer

On this 29th day of December, 2006, before me personally came Timothy Flanigan to me personally known, known to me to be the person described in and who executed the foregoing assignment, and acknowledged to me that the execution of the same was a free act and deed.

Kimberly Griffith _____ Notary Seal:

Printed Name of Notary Signature of Notary

Assignee: TYCO THERMAL CONTROLS LLC

Signature: _____ Date: December 29, 2006

Name: Timothy E. Flanigan

Title: VP

The above signature was notarized as follows:

State of: New Jersey

County of: Mercer

On this 29th day of December, 2006, before me personally came Timothy Flanigan to me personally known, known to me to be the person described in and who executed the foregoing assignment, and acknowledged to me that the execution of the same was a free act and deed.

Kimberly Griffith _____ Notary Seal:

Printed Name of Notary Signature of Notary

KIMBERLY M. GRIFFITH
NOTARY PUBLIC OF NEW JERSEY
Commission Expires 9/28/2011

Schedule A

Patents

Country	Application No. Title	Filing Date	Publication or Patent No.	Issue/Pub Date
Argentina	333921 Hinged Connector For Heating Cables Of Various Sizes	21-Oct-1995	255014	27-Apr-20
Argentina	P960101187 Sealing Apparatus For Elongate Cables Having Movable Insert With Gripping Members	29-Jan-1996	AR001791B1	10-Dec-20
Australia	40140/95 Hinged Connector For Heating Cables Of Various Sizes	23-Oct-1995	701545	13-May-19
Belgium	94303306.8 Electrical Connection	09-May-1994	0624920	02-Sep-199
Belgium	96929078.2 Sealing Device	27-Aug-1996	0847609	19-Dec-200
Belgium	99954878.7 Connector For Electrical Cable	13-Oct-1999	1121728	09-Nov-200
Belgium	00972370.1 Electric Cable Having Braidless Polymeric Ground Plane Providing Fault Detection	25-Oct-2000	1273206	06-Apr-200
Brazil	PI9509482-2 Hinged Connector For Heating Cables Of Various Sizes	23-Oct-1995	PI9509482-2	02-Oct-2001
Brazil	PI9607102-8 Sealing Apparatus For Elongate Cables Having Movable Insert With Gripping Members	05-Feb-1996	PI9607102-8	12-Nov-200
Brazil	PI9708032-2 Electrical Heating Systems	11-Mar-1997		
Brazil	P19713240.3 Sealing Device	24-Sep-1997		
Canada	478820 Method For Detecting And Obtaining Information About Changes In Variables	11-Apr-1985	1276254	13-Nov-1990
Canada	478818 Event Location Using A Multiwire System	11-Apr-1985	1276702	20-Nov-1990
Canada	478817 Device For Use In An Apparatus For Detecting And Locating Information About An Event	11-Apr-1985	1283721	30-Apr-1991
Canada	514348 Hydrocarbon Sensor	22-Jul-1986	1326891	08-Feb-1994
Canada	551215 Closure And A Retention Member For Use Therewith	06-Nov-1987	1293541	24-Dec-1991
Canada	553513 Electrical Heaters	04-Dec-1987	1268510	01-May-1990

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Country	Application No. Title	Filing Date	Publication or Patent No.	Issue/Pub Date
Canada	568424 Branched Sensor System	02-Jun-1988	1325252	14-Dec-19
Canada	2004814 Sealing Device For Elongate Heater	07-Dec-1989	2004814	16-Mar-19
Canada	2004815 Connector For Electrical Heater	07-Dec-1989	2004815	08-Aug-20
Canada	2048648 Method Of Making An Electrical Device Comprising A Conductive Polymer	13-Mar-1990	2048648	11-May-19
Canada	2062727 Fluoropolymer Blends	02-Aug-1990	2062727	19-Mar-20(
Canada	2066254 Conductive Polymer Device	10-Sep-1990	2066254	02-Nov-19(
Canada	2081029 Elongated Electrical Resistance Heater	07-May-1991	2081029	29-Jan-200
Canada	2090229 Flame Retardant Conductive Polymer Composition Device	10-Sep-1991	2090229	27-Oct-200(
Canada	2203508 Connector For Elongate Cable	23-Oct-1995	2203508	11-Jan-2005
anada	2212173 Sealing Device	05-Feb-1996	2212173	25-Jul-2006
Canada	2230591 Sealing Device	27-Aug-1996		
Canada	2243164 Electrical Plug	16-Jan-1997	2243164	26-Apr-2005
Canada	2260189 Heating Cable	24-Jun-1997	2260189	07-Dec-2004
Canada	2346113 Connector For Electrical Cable	13-Oct-1999		
anada	2394627 Control Of Heating Arrangement With Multiple Sensors	20-Nov-2000		
hile	1599-95 Hinged Connector For Heating Cables Of Various Sizes	19-Oct-1995	40.737	10-Oct-2000
hile	170-96 Sealing Apparatus For Elongate Cables Having Movable Insert With Gripping Members	05-Feb-1996	40.079	02-Aug-1999
hina	95195869.0 Hinged Connector For Heating Cables Of Various Sizes	23-Oct-1995	ZL 95195869	26-Jun-2002

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Country	Application No. Title	Filing Date	Publication or Patent No.	Issue/Pub Date
China	97195925.0 Heating Cable	24-Jun-1997	ZL97195925.	24-Dec-2(
Europe	87309837.0 A Closure And A Retention Member For Use Therewith	06-Nov-1987	0267045	11-May-1
Europe	87310662.9 Electrical Heaters	03-Dec-1987	0270370	08-Jun-19
Europe	89903767.5 Cable Connecting Module	23-Feb-1989	0448554	02-Oct-19
Europe	89905438.1 Electronic Control And Protection Device	09-May-1989	0449822	09-Oct-19
Europe	89907495.9 Polymeric PTC Composition And Electrical Device Thereof	02-Jun-1989	0417204	20-Mar-19
Europe	90900670.2 Sealing Device For Elongate Heater	06-Dec-1989	0406371	09-Jan-199
Europe	90901322.9 Connector For Electrical Heater	06-Dec-1989	0451191	16-Oct-199
Europe	90905148.4 Method Of Making An Electrical Device Comprising A Conductive Polymer	13-Mar-1990	0460109	11-Dec-199
Europe	90911560.2 Fluoropolymer Blends	02-Aug-1990	0487559	03-Jun-199
Europe	90914344.8 Conductive Polymer Device	10-Sep-1990	0490989	24-Nov-199
Europe	91910188.1 Elongated Electrical Resistance Heater	07-May-1991	0536165	12-Jul-1995
Europe	91916186.9 Flame Retardant Conductive Polymer Composition Device	10-Sep-1991	0548162	19-Dec-2001
Europe	94303306.8 Electrical Connection	09-May-1994	0624920	02-Sep-1998
Europe	95938942.0 Connector For Elongate Cable	23-Oct-1995	0788671	27-Dec-2000
Europe	00108453.2 Sealing Assembly For Socket Connectors	23-Oct-1995	1020960	09-Jan-2002
Europe	96904566.5 Sealing Device	05-Feb-1996	0808524	12-Sep-2001
Europe	00202487.5 Sealing Device	27-Aug-1996		

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Country	Application No./ Title	Filing Date	Publication or Patent No.	Issue/Pub Date
Europe	96929078.2 Sealing Device	27-Aug-1996	0847609	19-Dec-2(
Europe	97902955.0 Electrical Plug	16-Jan-1997	1018189	28-Sep-20
Europe	97914972.1 Electrical Heating Systems	11-Mar-1997	0886813	08-Jan-20(
Europe	97931407.7 Heating Cable	24-Jun-1997	1016321	26-May-2(
Europe	99954878.7 Connector For Electrical Cable	13-Oct-1999	1121728	09-Nov-20
Europe	00972370.1 Electric Cable Having Braidless Polymeric Ground Plane Providing Fault Detection	25-Oct-2000	1273206	06-Apr-20(
Europe	00976192.5 Control Of Heating Arrangement With Multiple Sensors	20-Nov-2000	1234486	28-Aug-20(
Europe	01975388.8 High Temperature Slip-Sealing Gromment Systems	25-Sep-2001		
land	925037 Electrical Device	07-May-1991	100844	27-Feb-199
Finland	00976192.5 Heating Arrangement	20-Nov-2000	1234486	02-Mar-200
France	87309837.0 Sealing Device And Retention Member Therefor	06-Nov-1987	0267045	07-Apr-1993
France	89903767.5 Cable Connecting Module	23-Feb-1989	0448554	01-Jun-1994
France	89907495.9 Electrical Devices Comprising Conductive Polymers	02-Jun-1989	0417204	11-Nov-1994
France	90900670.2 Sealing Device For Elongate Heater	06-Dec-1989	0406371	01-Jun-1994
rance	90901322.9 Connector For Electrical Heater	06-Dec-1989	0451191	01-Mar-1995
rance	90905148.4 Method Of Making An Electrical Device Comprising A Conductive Polymer	13-Mar-1990	0460109	22-May-1996
rance	90911560.2 Fluoropolymer Blends	02-Aug-1990	0487559	18-Oct-1995
ance	90914344.8 Conductive Polymer Device With Fuse Capable Of Arc Suppression	10-Sep-1990	0490989	24-Nov-1999

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Country	Application No. Title	Filing Date	Publication or Patent No.	Issue/Pat Date
France	91910188.1 Electrical Device	07-May-1991	0536165	12-Jul-19
France	91916186.9 Conductive Polymer Device	10-Sep-1991	0548162	19-Dec-20
France	94303306.8 Electrical Connection	09-May-1994	0624920	02-Sep-19
France	95938942.0 Connector For Elongate Cable	23-Oct-1995	0788671	27-Dec-20
France	00108453.2 Sealing Assembly For Socket Connectors	23-Oct-1995	1020960	09-Jan-200
France	96904566.5 Sealing Apparatus For Elongate Cables Having Movable Insert With Gripping Members	05-Feb-1996	0808524	12-Sep-200
France	96929078.2 Sealing Device	27-Aug-1996	847609	19-Dec-200
France	97902955.0 Electrical Plug	16-Jan-1997	1018189	28-Sep-200
ance	97931407.7 Heating Cable	24-Jun-1997	1016321	26-May-200
France	99954878.7 Connector For Electrical Cable	13-Oct-1999	1121728	09-Nov-200
France	00972370.1 Electric Cable Having Braidless Polymeric Ground Plane Providing Fault Detection	25-Oct-2000	1273206	06-Apr-2005
France	00976192.5 Heating Arrangement	20-Nov-2000	1234486	02-Mar-2005
Germany	87309837.0 Sealing Device And Retention Member Therefor	06-Nov-1987	3785296	07-Apr-1993
Germany	89903767.5 Cable Connecting Module	23-Feb-1989	0448554	01-Jun-1994
ermany	89907495.9 Electrical Devices Comprising Conductive Polymers	02-Jun-1989	0417204	11-Nov-1994
ermany	90900670.2 Sealing Device For Elongate Heater	06-Dec-1989	P68915757.6	01-Jun-1994
ermany	90901322.9 Connector For Electrical Heater	06-Dec-1989	68921493.6	01-Mar-1995
rmany	90905148.4 Method Of Making An Electrical Device Comprising A Conductive Polymer	13-Mar-1990	69027113.1	22-May-1996

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Country	Application No./ Title	Filing Date	Publication or Patent No.	Issue/Pu Date
Germany	90911560.2 Fluoropolymer Blends	02-Aug-1990	69023142	18-Oct-1
Germany	90914344.8 Conductive Polymer Device With Fuse Capable Of Arc Suppression	10-Sep-1990	0490989	24-Nov-1
Germany	91910188.1 Electrical Device	07-May-1991	0536165	12-Jul-19
Germany	91916186.9 Conductive Polymer Device	10-Sep-1991	69132877.3	19-Dec-2(
Germany	94303306.8 Electrical Connection	09-May-1994	69412899.6	02-Sep-19
Germany	95938942.0 Hinged Connector For Heating Cables Of Various Sizes	23-Oct-1995	69519745.2	02-Aug-2(
Germany	00108453.2 Hinged Connector For Heating Cables Of Various Sizes	23-Oct-1995	69525087.6	09-Jan-20(
Germany	96904566.5 Sealing Apparatus For Elongate Cables Having Movable Insert With Gripping Members	05-Feb-1996	69615156.1	12-Sep-20(
Germany	96929078.2 Sealing Device	27-Aug-1996	69618211.4	22-Aug-20(
Germany	69734297.2 Electrical Plug	16-Jan-1997	1018189	28-Sep-200
Germany	97931407.7 Heating Cable	24-Jun-1997	69729330	17-Mar-200
Germany	69928274.8 Connector For Electrical Cable	13-Oct-1999	1121728	09-Nov-200
Germany	60019343.8 Electric Cable Having Braidless Polymeric Ground Plane Providing Fault Detection	25-Oct-2000	1273206	06-Apr-200
Germany	00976192.5 Heating Arrangement	20-Nov-2000	60018453.6	02-Mar-200
Greece	00108453.2 Sealing Assembly For Socket Connectors	23-Oct-1995	1020960	09-Jan-2002
ndia	1396/MAS/97 Heating Cable	25-Jun-1997		
ndia	2046/MAS/97 Electrical Heating Systems	15-Sep-1997		
ıdia	2141/MAS/97 Sealing Device	24-Sep-1997		

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Country	Application No. Title	Filing Date	Publication or Patent No.	Issue/Pub Date
Italy	00108453.2 Sealing Assembly For Socket Connectors	23-Oct-1995	1020960	09-Jan-20
Italy	96929078.2 Sealing Device	27-Aug-1996	22360BE/02	19-Dec-20
Japan	308858/1987 Electrical Heaters	04-Dec-1987	2642938	02-May-1
Japan	138238/1988 Branched Sensor System	02-Jun-1988	2622400	04-Apr-19
Japan	503957/1989 Cable Connecting Module	23-Feb-1989	2781040	01-Jun-199
Japan	501405/1990 Sealing Device For Elongate Heater	06-Dec-1989	2758263	13-Mar-19
Japan	501396/1990 Connector For Electrical Heater	06-Dec-1989	2971131	02-Nov-19
Japan	511342/1990 Fluoropolymer Blends	02-Aug-1990	3365768	01-Nov-200
Japan	509663/1991 Electrical Device	06-Nov-1992	3255232	12-Feb-200
Japan	514144-1996 Hinged Connector For Heating Cables Of Various Sizes	23-Oct-1995	3692142	24-Jun-2005
Japan	524357/1996 Sealing Apparatus For Elongate Cables Having Movable Insert With Gripping Members	05-Feb-1996		
Japan	510534/97 Sealing Device	27-Aug-1996		
Japan	526162/1997 Electrical Plug	16-Jan-1997	3849886	08-Sep-2006
Japan	2000-576513 Connector For Electrical Cable	13-Oct-1999		
Korea	92-702769 Electrical Device	07-May-1991	245568	30-Nov-1999
Korea	1997-0702699 Hinged Connector For Heating Cables Of Various Sizes	23-Oct-1995	383030	23-Apr-2003
Korea	705352/97 Sealing Apparatus For Elongate Cables Having Movable Insert With Gripping Members	05-Feb-1996	10-384678	07-May-2003
Korea	1998-710689 Heating Cable	24-Jun-1997	497692	17-Jun-2005

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Country	Application No. Title:	Filing Date:	Publication or Patent No.:	Issue/Pub Date:
Korea	701510/98 Sealing Device	27-Feb-1998	432467	11-May-2(
Netherlands	94303306.8 Electrical Connection	09-May-1994	0624920	02-Sep-19
Netherlands	96929078.2 Sealing Device	27-Aug-1996	0847609	19-Dec-20(
New Zealand	296358 Hinged Connector For Heating Cables Of Various Sizes	23-Oct-1995	296358	21-Oct-199
Norway	903699 Cable Connecting Module	23-Feb-1989	179309	03-Jun-199
Norway	924306 Electrical Device	07-May-1991	302450	03-Feb-199
Norway	1997-1891 Hinged Connector For Heating Cables Of Various Sizes	23-Oct-1995	320164	07-Nov-200
Norway	973597 Sealing Apparatus For Elongate Cables Having Movable Insert With Gripping Members	05-Feb-1996	319742	12-Sep-200
rway	1998 0852 Sealing Device	27-Aug-1996		
Norway	19983289 Electrical Plug	16-Jan-1997	317502	08-Nov-2004
Norway	19986097 Heating Cable	24-Jun-1997		
PCT	PCT/US88/02484 Conductive Polymer Composition	21-Jul-1988	WO1989/000755	26-Jan 1989
PCT	PCT/GB89/00187 Cable Connecting Module	23-Feb-1989	WO1989/08337	08-Sep-1989
PCT	PCT/US89/02420 Polymeric PTC Composition And Electrical Device Thereof	02-Jun-1989	WO1989/012308	14-Dec-1989
CT	PCT/US89/02438 Methods, Systems And Apparatus For Detecting Changes In Variables	05-Jun-1989	WO1989/012289	14-Dec-1989
CT	PCT/US89/05535 Connector For Electrical Heater	06-Dec-1989	WO1990/006604	14-Jun-1990
CT	PCT/US89/05577 Sealing Device For Elongate Heater	06-Dec-1989	WO1990/06610	09-Aug-1990
CT	PCT/US90/01291 Method Of Making An Electrical Device Comprising A Conductive Polymer	13-Mar-1990	WO90/11001	20-Sep-1990

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Country	Application No. / Title	Filing Date	Publication or Patent No.	Issue/Pub Date
PCT	PCT/US90/04345 Fluoropolymer Blends	02-Aug-1990	WO1991/002770	07-Mar-19
PCT	PCT/US90/05102 Conductive Polymer Device With Fuse Capable Of Arc Suppression	10-Sep-1990	WO1991/003822	21-Mar-19
PCT	PCT/US91/06533 Flame Retardant Conductive Polymer Composition Device	10-Sep-1991	WO1992/004718	19-Mar-19
PCT	PCT/US96/01511 Sealing Device	06-Feb-1995	WO1996/024975	15-Aug-19
PCT	PCT/US95/13920 Connector for Elongate Cable	23-Oct-1995	WO1996/013080	02-May-19
PCT	PCT/US97/00656 Electrical Plug	16-Jan-1997	WO1997/026686	24-Jul-199
PCT	PCT/US97/11057 Heating Cable	24-Jun-1997	WO1998/001010	08-Jan-199
PCT	PCT/US97/17169 Sealing Device for Cable	24-Sep-1997	WO1998/015045	09-Apr-199
PCT	PCT/US99/23796 Connector For Electrical Cable	13-Oct-1999	WO2000/022698	20-Apr-200
PCT	PCT/US00/29534 Electric Cable Having Braidless Polymeric Ground Plane Providing Fault Detection	25-Oct-2000	WO2001/033908	10-May-200
PCT	PCT/GB00/04408 Control Of Heating Arrangement With Multiple Sensors	20-Nov-2000	WO/2001/039549	20-Nov-200
PCT	PCT/US01/30045 High Temperature Slip-Sealing Gromment Systems	25-Sep-2001	WO2002/027884	04-Apr-2002
Sweden	90905148.4 Method Of Making An Electrical Device Comprising A Conductive Polymer	13-Mar-1990	0460109	22-May-199
Sweden	00976192.5 Heating Arrangement	20-Nov-2000	1234486	02-Mar-2005
Switzerland	87309837.0 Sealing Device And Retention Member Therefor	06-Nov-1987	0267045	07-Apr-1993
Switzerland	89903767.5 Cable Connecting Module	23-Feb-1989	0448554	01-Jun-1994
witzerland	90914344.8 Conductive Polymer Device With Fuse Capable Of Arc Suppression	10-Sep-1990	0490989	24-Nov-1999
witzerland	91910188.1 Electrical Device	07-May-1991	0536165	12-Jul-1995

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Patents

Country	Application No Title:	Filing Date:	Publication or Patent No.:	Issue/Pu Date:
Switzerland	91916186.9 Conductive Polymer Device	10-Sep-1991	0548162	19-Dec-2
Switzerland	95938942.0 Hinged Connector For Heating Cables Of Various Sizes	23-Oct-1995	0788671	27-Dec-2
Switzerland	00108453.2 Sealing Assembly For Socket Connectors	23-Oct-1995	1020960	09-Jan-20
Switzerland	96904566.5 Sealing Apparatus For Elongate Cables Having Movable Insert With Gripping Members	05-Feb-1996	0808524	12-Sep-20
Switzerland	96929078.2 Sealing Device	27-Aug-1996	0847609	19-Dec-20
Switzerland	97902955.0 Electrical Plug	16-Jan-1997	1018189	28-Sep-20
Switzerland	99954878.7 Connector For Electrical Cable	13-Oct-1999	1121728	11-Nov-20
Switzerland	00972370.1 Electric Cable Having Braidless Polymeric Ground Plane Providing Fault Detection	25-Oct-2000	1273206	06-Apr-20
itzerland	00976192.5 Heating Arrangement	20-Nov-2000	1234486	02-Mar-20
United Kingdom	9027264.2 Mounting Arrangement	17-Dec-1990	2251022	24-Jun-199
United Kingdom	94303306.8 Electrical Connection	09-May-1994	0624920	02-Sep-199
United Kingdom	00976192.5 Heating Arrangement	20-Nov-2000	1234486	02-Mar-200
United Kingdom	87309837.0 Sealing Device And Retention Member Therefor	06-Nov-1987	0267045	07-Apr-199
United Kingdom	89907495.9 Electrical Devices Comprising Conductive Polymers	02-Jun-1989	0417204	11-Nov-199
United Kingdom	90900670.2 Sealing Device For Elongate Heater	06-Dec-1989	0406371	01-Jun-1994
United Kingdom	90901322.9 Connector For Electrical Heater	06-Dec-1989	0451191	01-Mar-1995
Jnited Kingdom	90905148.4 Method Of Making An Electrical Device Comprising A Conductive Polymer	13-Mar-1990	0460109	22-May-1996
Jnited gdom	90911560.2 Fluoropolymer Blends	02-Aug-1990	0487559	18-Oct-1995

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Country	Application No. / Title	Filing Date	Publication or Patent No.	Issue/Pub Date
United Kingdom	90914344.8 Conductive Polymer Device With Fuse Capable Of Arc Suppression	10-Sep-1990	0490989	24-Nov-1
United Kingdom	91910188.1 Electrical Device	07-May-1991	0536165	12-Jul-19
United Kingdom	91916186.9 Conductive Polymer Device	10-Sep-1991	0548162	19-Dec-20
United Kingdom	96904566.5 Sealing Apparatus For Elongate Cables Having Movable Insert With Gripping Members	05-Feb-1996	0808524	12-Sep-20
United Kingdom	96929078.2 Sealing Device	27-Aug-1996	0847609	19-Dec-20
United Kingdom	97902955.0 Electrical Plug	16-Jan-1997	1018189	28-Sep-20
United Kingdom	97914972.1 Electrical Heating Systems	11-Mar-1997	0886813	08-Jan-200
United Kingdom	97931407.7 Heating Cable	24-Jun-1997	1016321	26-May-20
ited ingdom	99954878.7 Connector For Electrical Cable	13-Oct-1999	1121728	09-Nov-20
United Kingdom	00972370.1 Electric Cable Having Braidless Polymeric Ground Plane Providing Fault Detection	25-Oct-2000	1273206	06-Apr-200
United States	06/282547 Electrical Devices Comprising Conductive Polymer Compositions	13-Jul-1981	6221282	24-Apr-200
United States	06/838725 Devices For Detecting And Obtaining Information About An Event	11-Mar-1986	4926165	15-May-199
United States	06/928064 Sealing Device And Retention Member Therefor	06-Nov-1986	4751350	14-Jun-1988
United States	07/031481 Detection Apparatus	27-Mar-1987	4862146	29-Aug-198
United States	07/057459 Branched Sensor System	03-Jun-1987	4843327	27-Jun-1989
United States	07/202762 Conductive Polymer Compositions	03-Jun-1988	4910389	20-Mar-1990
Jnited States	07/202278 Methods, Systems And Apparatus For Detecting Changes In Variables	03-Jun-1988	4922183	01-May-1990

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Country	Application No. / Title	Filing Date	Publication or Patent No.	Issue/Pul Date
United States	07/202165 Electrical Devices Comprising Conductive Polymers	03-Jun-1988	5250226	05-Oct-19
United States	07/282250 Sealing Device For Elongate Heater	08-Dec-1988	4877943	31-Oct-19
United States	07/281580 Connector For Electrical Heater	08-Dec-1988	4883945	28-Nov-19
United States	07/571609 Cable Connecting Module	23-Feb-1989	5174783	29-Dec-19
United States	07/322969 Method Of Making An Electrical Device Comprising A Conductive Polymer	13-Mar-1989	5111032	05-May-19
United States	07/372179 Elongate Sensors Comprising Conductive Polymers, And Methods And Apparatus Using Such Sensors	27-Jun-1989	5015958	14-May-19
United States	07/395222 Fluoropolymer Blends	17-Aug-1989	5057345	15-Oct-199
United States	07/415757 Electrical Plug	02-Oct-1989	5002501	26-Mar-19
ited States	07/415820 Electrical Connector	02-Oct-1989	5004432	02-Apr-199
United States	07/519975 Devices For Detecting And Obtaining Information About An Event	07-May-1990	5101657	07-Apr-199
United States	07/698012 Method For Detecting And Obtaining Information About Changes In Variables	09-May-1991	5235286	10-Aug-199
United States	07/719217 Façade Heating	21-Jun-1991	5166497	24-Nov-199
United States	07/769561 Sensor Cable	02-Oct-1991	5191292	02-Mar-199
United States	07/823524 Method Of Making An Electrical Device Comprising A Conductive Polymer	21-Jan-1992	5300760	05-Apr-1994
United States	08/211829 Electrical Device	06-Nov-1992	6111234	29-Aug-2000
Jnited States	08/100710 Method For Detecting And Obtaining Information About Changes In Variables	30-Jun-1993	5382909	17-Jan-1995
Jnited States	08/328644 Hinged Connector For Heating Cables Of Various Sizes	25-Oct-1994	5756972	26-May-1998
Jnited States	08/384164 Sealing Apparatus For Elongate Cables Having Movable Insert With Gripping Members	06-Feb-1995	5622642	22-Apr-1997

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Country	Application No./ Title	Filing Date	Publication or Patent No.	Issue/Pub Date
United States	08/471893 Conductive Polymer Device With Fuse Capable Of Arc Suppression	07-Jun-1995	5925276	20-Jul-19
United States	08/520324 Sealing Device	28-Aug-1995	5792987	11-Aug-19
United States	08/587433 Electrical Plug	17-Jan-1996	5718600	17-Feb-19
United States	08/672603 Heating Cable	28-Jun-1996	6005232	21-Dec-19
United States	08/723055 Sealing Device	30-Sep-1996	5767448	16-Jun-199
United States	08/868906 Leak Detection	04-Jun-1997	5918267	29-Jun-199
United States	08/881335 Electrical Plug	24-Jun-1997	5924888	20-Jul-1999
United States	08/920525 Electrical Heating Systems	29-Aug-1997	6005228	21-Dec-199
ited es	08/978216 Electrical Plug	25-Nov-1997	5913574	22-Jun-199
United States	09/432688 Electric Cable Having Braidless Polymeric Ground Plane Providing Fault Detection	03-Nov-1999	6288372	11-Sep-2001
United States	09/479354 Connector For Electrical Cable	07-Jan-2000	6206720	27-Mar-2001
United States	09/672385 High Temperature Slip-Sealing Gromment Systems	28-Sep-2000	6441305	27-Aug-2002
United States	09/920681 Cable Jacket Stripping Tool	02-Aug-2001	6510611	28-Jan-2003
Jnited States	10/157559 Heating Arrangement	28-May-2002	6642487	04-Nov-2003

Schedule B

Know-How

SCHEDULE B
Know-How

MB 269

MB 271

MB 276

MB 288

MB 469

MB 471

MB 472

MB 553

MB 843

Type 747

Type 768

Type 781

Type 787

Type 793

Type 827

Type 881

Beaming for STS-MT wire

Beaming for TraceTek products and all self-regulating heating cables

Extrusion of Compound 768 onto 30-gauge Copel wire