FORM PTO-1 (Rev. 6-93) OMB No. 065	1595 17-8-	98
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To the Honorable Commissioner of Patents and Trade	Jocurnents or copy thereof.	
1. Name of conveying party(ies): Liren Zhao Mansfield, Ohio Prasad S. Khadkikar Seville, Ohio Additional name(s) of conveying party(ies) attached? © Yes XIKNo	2. Name and address of receiving party(ies) Name: THERM-O-DISC, INCORPORATED Internal Address:	
3. Nature of conveyance: XD: Assignment	Street Address: 1320 South Main Street	
☐ Security Agreement ☐ Change of Name ☐ Other	City: Mansfield State: OH ZIP: 44907	
Execution Date: December 3, 1998	Additional name(s) & address(es) attached? Yes No	
Application number(s) or patent number(s): If this document is being filed together with a new application.	n, the execution date of the application is:	
A. Patent Application No.(s)	B. Patent No.(s)	
09/193,471 of 11/16/98		
l	ttached? ☐ YesឱKNo	
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:	
Name: Jacqueline M. O'Brien	7. Total fee (37 CFR 3.41)\$ 40.00	
Internal Address: JONES DAY REAVIS & POGUE	Σκ Enclosed	
North Point	x 2 Authorized to be charged to deposit account, if over or under payment	
Street Address: 901 Lakeside Avenue	8. Deposit account number:	
City: Cleveland State: Ohio ZIP: 44114	(Attach duplicate copy of this page it 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. Jacqueline M. O'Brien Name of Person Signing Signature Signature Signature December 8, 199 Date Total number of pages including cover sheet, attachments, and document:		

ASSIGNMENT (Joint)

WHEREAS, new and useful improvements and inventions have been made by the undersigned

CONDUCTIVE POLYMER MATERIALS FOR HIGH VOLTAGE PTC DEVICES

and are the subject of a patent application filed in the United States Patent and Trademark Office on November 16, 1998, as Serial No. 09/193,471, and executed by the undersigned on the dates indicated below in the appropriate spaces to the right of the signatures of the undersigned, which application is further identified as Jones, Day, Reavis & Pogue Docket No. 097655026152.

This application is a continuation-in-part of U.S. Patent Application, Serial No. 08/729,822, filed October 8, 1996, which issued as U.S. Patent 5,837,164 on November 17, 1998, and U.S. Patent Application, Serial No. 09/046,853, filed March 24, 1998, which is a continuation-in-part of Serial No. 08/729,822.

WHEREAS, THERM-O-DISC, INCORPORATED, a corporation of the State of Ohio. having a place of business at 1320 South Main Street, Mansfield, Ohio 44907-0538, her sinafter referred to as "assignee", is desirous of acquiring all right, title, and interest throughout the world in, to, and under said improvements and inventions and patent rights therefor.

NOW, THEREFORE, be it known that, for valuable consideration, the receipt and sufficiency of which are hereby acknowledged, all right, title, and interest, in the United States and throughout the world, in, to and under said improvements and inventions and all patents, patent applications, patent rights, and inventor's certificates thereof, therefor, and therein, including without limitation said application for patent in the United States, all divisions and continuations thereof, a 1 patents which may be granted thereon, all reissues and extensions thereof, all right to sue for past infringement thereunder, all patents which may be granted for said improvements and inventions by states or nations other than the United States, or by other authority, entity, or organization, and all applications therefor. have been and are hereby sold, assigned, transferred, and delivered unto assignee, its successors and assigns; and it is covenanted and agreed by the undersigned, and for executors, administrators, and legal representatives of the undersigned, that at assignee's request any and all applications, affidavits. assignments, and other instruments will be made, executed, and delivered as may be necessary, or desirable to secure for or vest in assignee, its successors or assigns, any improvement, inventions, right. title, interest, application, patent, patent right or other right or property covered by this assignment, and the United States Commissioner of Patents and Trademarks is hereby requested and authorized to issue any and all United States patents granted on any of said applications to assignee as owner of the entire right, title, and interest in, to, and under the same, and appropriately empowered off cials of foreign countries are hereby authorized to issue any letters patent granted on any of said applications to assignee as owner of the entire right, title, and interest in to and under the same

is being deposited today with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents Washington.

D.C.

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Page 1 of 2

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in

IN WITNESS WHEREOF, this assignment has been executed below by the undersigned: 12/3/98 Date I signed this assignment LIREN ZHAO Post Office Address: 1632 Lexington Avenue Apartment #14 Mansfield, Ohio 44907 Plehadlichar 12/3/98
12/3/98
tel signed this assignment Date I signed Declaration or Oath PRASAD S. KHADKIKAR Post Office Address: 200 Blue Spruce Court Seville, Ohio 44273 STATE OF OHIO $\left.\right\}_{ss.}$ COUNTY OF RICHLAND The above named LIREN ZHAO, known to me, appeared before me this day of December, 1998, and acknowledged that the foregoing instrument was executed as his free act and deed for the uses and purposes therein set forth. Notary Public LAURA S. UNRUH (Notarial Seal) My Commission Expire. Act. 11, 1999 STATE OF OHIO $\left.\right\}_{SS}$ COUNTY OF RICHLAND The above named PRASAD S. KHADKIKAR, known to me, appeared before me this 300 day of December, 1998, and acknowledged that the foregoing instrument was executed as his free act and deed for the uses and purposes therein set forth. LAURA S. UNRUH (Notarial Seal) NOTARY PUBLIC, STATE OF OHIO My Commission Expires Feb. 16, 1999 357486 1

RECORDED: 12/08/1998

PT602

Page 2 of 2

PATENT REEL: 9641 FRAME: 0197