01-14-2004 J.S. DEPARTMENT OF COMMERCE REC(Form PTO-1594 U.S. Patent and Trademark Office (Rev. 10/02) ΤI OMB No. 0651-0027 (exp. 6/30/2005) 102644817 Tab settings ⇒ ⇒ ⇒ To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. 2. Name and address of receiving party(ies) 1. Name of conveying party(ies): Name: Citizens Bank New Hampshire Elmet Technologies, Inc. Internal Address: Association Individual(s) Street Address: 100 Middle Street General Partnership Limited Partnership Citv: Portland _State:_ME_Zip:_04104 Corporation-State Other Delaware Individual(s) citizenship_____ Association Additional name(s) of conveying party(ies) attached? Yes No General Partnership 3. Nature of conveyance: Limited Partnership _____ Assignment Merger Corporation-State Other New Hampshire Guaranty Savings Bank Security Agreement Change of Name 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 Other Execution Date: 12- __- 03 4. Application number(s) or registration number(s): B. Trademark Registration No.(s) A. Trademark Application No.(s) 411.291 Additional number(s) attached 6. Total number of applications and 5. Name and address of party to whom correspondence registrations involved: concerning document should be mailed: Name: Christopher J. Devlin, Esq. 7. Total fee (37 CFR 3.41).....\$_40.00 Internal Address:__ **Enclosed** Bernstein, Shur, Sawyer & Nelson Authorized to be charged to deposit account 8. Deposit account number: Street Address: 100 Middle Street Citv: Portland Zip:04104 State:_ME DO NOT USE THIS SPACE 9. Signature. 12-31 -2003 Christopher J. Devlin, Esq. Date Name of Person Signing Total number of pages including cover sheet, attachments, and document: 01/13/2004-ECBBPER 00000178-411291 documents to be recorded with required cover sheet information to: Mail Commissioner of Patent & Trademarks, Box Assignments 01 FC:8521 40.00 09 Washington, D.C. 20231

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INTELLECTUAL PROPERTY SECURITY AGREEMENT

SECURITY AGREEMENT, dated as of December 31, 2003, between ELMET TECHNOLOGIES, INC., a Delaware corporation with a place of business in Lewiston, Maine (the "Debtor"), and CITIZENS BANK NEW HAMPSHIRE, a guaranty savings bank organized under the laws of the State of New Hampshire, with a place of business in Portland, Maine (the "Secured Party") WHO AGREE as follows:

- 1. <u>Definitions; Interpretation</u>.
- (a) <u>Terms Defined in Loan Agreement</u>. All capitalized terms used in this Agreement and not otherwise defined herein shall have the meanings assigned to them in the Loan Agreement.
- (b) <u>Certain Defined Terms</u>. As used in this Agreement, the following terms shall have the following meanings:
 - "Copyright Collateral" has the meaning set forth in paragraph 2(c).
 - "Copyright Office" means the United States Copyright Office.
- "Event of Default" means the occurrence of any or all of the following events: (i) the occurrence of any event identified as an "Event of Default" in the Loan Agreement; or (ii) Debtor's failure to observe or perform any covenant or agreement contained in this Agreement.
- "IP Collateral" means, all or any portion of the Copyright Collateral, the Patent Collateral and the Trademark Collateral.
- "Loan Agreement" means that certain Loan and Security Agreement (All Assets), dated as of the date hereof, between Debtor and Secured Party.
 - "PTO" means the United States Patent and Trademark Office.
 - "Patent Collateral" has the meaning set forth in paragraph 2(a).
 - "Trademark Collateral" has the meaning set forth in paragraph 2(b).
 - "UCC" means the Uniform Commercial Code as in effect in the State of Maine.
- (c) <u>Terms Defined in UCC</u>. Where applicable in the context of this Agreement and except as otherwise defined herein, terms used in this Agreement shall have the meanings assigned to them in the UCC.
- (d) <u>Construction</u>. In this Agreement, the following rules of construction and interpretation shall be applicable: (i) no reference to "proceeds" in this Agreement authorizes any sale, transfer, or other disposition of any IP Collateral by Debtor; (ii) "includes" and "including"

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are not limiting; (iii) "or" is not exclusive; and (iv) "all" includes "any" and "any" includes "all." To the extent not inconsistent with the foregoing, the rules of construction and interpretation applicable to the Loan Agreement shall also be applicable to this Agreement and are incorporated herein by this reference.

2. <u>Security Interest</u>. As security for the payment and performance of the Obligations, Debtor hereby assigns, transfers and conveys to Secured Party, and grants to Secured Party a security interest in and mortgage to, all of Debtor's right, title and interest in, to and under the property described in the following subparagraphs (a) through (c), in each case whether now or hereafter existing or arising or in which Debtor now has or hereafter owns, acquires or develops an interest and wherever located:

(a) Grant of Security Interest in Patents.

- (i) all patents and patent applications, domestic or foreign, all licenses relating to any of the foregoing and all income and royalties with respect to any licenses (including such patents and patent applications as described in <u>Schedule A</u>), all rights to sue for past, present or future infringement thereof, all rights arising therefrom and pertaining thereto and all reissues, divisions, continuations, renewals, extensions and continuations-in-part thereof;
- (ii) all general intangibles and all intangible intellectual or other similar property of Debtor of any kind or nature, associated with or arising out of any of the aforementioned properties and assets and not otherwise described above; and
- (iii) all proceeds of any and all of the foregoing IP Collateral (including license royalties, rights to payment, accounts and proceeds of infringement suits) and, to the extent not otherwise included, all payments under insurance (whether or not Secured Party is the loss payee thereof) or any indemnity, warranty or guaranty payable by reason of loss or damage to or otherwise with respect to the foregoing IP Collateral (the property described in the foregoing paragraphs 2(a)(i) through (iii) is hereinafter referred to collectively as the "Patent Collateral").

(b) Grant of Security Interest in Trademarks.

all state (including common law), federal and foreign trademarks, service marks and trade names, and applications for registration of such trademarks, service marks and trade names (but excluding any application to register any trademark, service mark or other mark prior to the filing under applicable law of a verified statement of use (or the equivalent) for such trademark, service mark or other mark to the extent the creation of a security interest therein or the grant of a mortgage thereon would void or invalidate such trademark, service mark or other mark), all licenses relating to any of the foregoing and all income and royalties with respect to any licenses (including such marks, names and applications as described in Schedule B), whether registered or unregistered and wherever

registered, all rights to sue for past, present or future infringement or unconsented use thereof, all rights arising therefrom and pertaining thereto and all reissues, extensions and renewals thereof;

- (ii) the entire goodwill of or associated with the businesses now or hereafter conducted by Debtor connected with and symbolized by any of the aforementioned properties and assets;
- (iii) all general intangibles and all intangible intellectual or other similar property of Debtor of any kind or nature, associated with or arising out of any of the aforementioned properties and assets and not otherwise described above; and
- all proceeds of any and all of the foregoing IP Collateral (including license royalties, rights to payment, accounts receivable and proceeds of infringement suits) and, to the extent not otherwise included, all payments under insurance (whether or not Secured Party is the loss payee thereof) or any indemnity, warranty or guaranty payable by reason of loss or damage to or otherwise with respect to the foregoing IP Collateral. (the property described in the foregoing paragraphs 2(b)(i) through (iv) is hereinafter referred to collectively as the "Trademark Collateral").
- (c) Grant of Security Interest in Copyrights.
- All of Debtor's present and future United States registered copyrights and (i) copyright registrations, including Debtor's United States registered copyrights and copyright registrations listed in Schedule C to this Agreement, all of Debtor's present and future United States applications for copyright registrations, including Debtor's United States applications for copyright registrations listed in Schedule B to this Agreement, and all of Debtor's present and future copyrights that are not registered in the Copyright Office including, without limitation, derivative works (collectively, the "Copyrights"), and any and all royalties, payments, and other amounts payable to Debtor in connection with the Copyrights, together with all renewals and extensions of the Copyrights, the right to recover for all past, present, and future infringements of the Copyrights, and all manuscripts, documents, writings, tapes, disks, storage media, computer programs, computer databases, computer program flow diagrams, source codes, object codes and all tangible property embodying or incorporating the Copyrights, and all other rights of every kind whatsoever accruing thereunder or pertaining thereto;
- (ii) All of Debtor's right, title and interest in and to any and all present and future license agreements with respect to the Copyrights;
- (iii) All present and future accounts and other rights to payment arising from, in connection with or relating to the Copyrights; and

- (iv) All cash and non-cash proceeds of any and all of the foregoing (the property described in the foregoing paragraphs 2(c)(i) through (iv) is hereinafter referred to collectively as the "Copyright Collateral").
- (d) <u>Continuing Security Interest</u>. Debtor agrees that this Agreement shall create a continuing security interest in the IP Collateral that shall remain in effect until terminated in accordance with paragraph 11.
- 3. <u>Supplement to Loan Agreement</u>. This Agreement has been entered into in conjunction with the security interests granted to Secured Party under the Loan Agreement or other security documents referred to therein. The rights and remedies of Secured Party with respect to the security interests granted herein, including any such remedies available upon occurrence of an Event of Default, are without prejudice to, and are in addition to those set forth in the Loan Agreement or any other security documents referred to therein, all terms and provisions of which are incorporated herein by reference. The IP Collateral is a component of the Collateral described in the Loan Agreement.
- 4. <u>Representations and Warranties</u>. Debtor represents and warrants to Secured Party that:
- (a) <u>Patents</u>. Debtor represents and warrants to Secured Party that a true and correct list of all of the existing Patent Collateral consisting of U.S. patents and patent applications or registrations owned by Debtor, in whole or in part, is set forth in <u>Schedule A</u>.
- (b) <u>Trademarks</u>. A true and correct list of all of the existing Trademark Collateral consisting of U.S. trademarks, trademark registrations or applications owned by Debtor, in whole or in part, is set forth in <u>Schedule B</u>.
- (c) <u>Copyright Registrations</u>. A true and correct list of all of Debtor's United States registered copyrights and copyright registrations is set forth in Schedule C.
- (d) <u>Applications for Copyright Registration</u>. A true and correct list of all of Debtor's United States applications for copyright registrations is set forth in <u>Schedule C</u>.
- 5. Further Acts. On a continuing basis, Debtor shall make, execute, acknowledge and deliver, and file and record in the proper filing and recording places, all such instruments and documents, and take all such action as may be necessary or advisable or may be requested by Secured Party to carry out the intent and purposes of this Agreement, or for assuring, confirming or protecting the grant or perfection of the security interest granted or purported to be granted hereby, to ensure Debtor's compliance with this Agreement or to enable Secured Party to exercise and enforce its rights and remedies hereunder with respect to the IP Collateral, including any documents for filing with the PTO, the Copyright Office or any applicable state office. Secured Party may record this Agreement, an abstract thereof, or any other document describing Secured Party's interest in the IP Collateral with the PTO and/or the Copyright Office, at the expense of Debtor. In addition, Debtor authorizes Secured Party to file financing statements

describing the IP Collateral in any UCC filing office deemed appropriate by Secured Party. If the Debtor shall at any time hold or acquire a commercial tort claim arising with respect to the IP Collateral, the Debtor shall immediately notify Secured Party in a writing signed by the Debtor of the brief details thereof and grant to the Secured Party in such writing a security interest therein and in the proceeds thereof, all upon the terms of this Agreement, with such writing to be in form and substance satisfactory to the Secured Party.

- 6. Authorization to Supplement. If Debtor shall obtain rights to any new patentable inventions or become entitled to the benefit of any patent application or patent for any reissue, division, or continuation of any patent, or to any new trademarks, the provisions of this Agreement shall automatically apply thereto. Debtor shall give prompt notice in writing to Secured Party with respect to any such new patent rights, any new trademarks or renewal or extension of any trademark registration, and shall further give Secured Party prompt notice of any additional United States copyright registrations or applications therefor after the date hereof. Without limiting Debtor's obligations under this paragraph 6, Debtor authorizes Secured Party unilaterally to modify this Agreement by amending Schedules A, B or C, as the case may be, to include any such new patent, trademark rights or any future United States registered copyrights or applications therefor of Debtor. Notwithstanding the foregoing, no failure to so modify this Agreement or amend any of the Schedules hereto shall in any way affect, invalidate or detract from Secured Party's continuing security interest in all IP Collateral, whether or not listed on Schedule A, B or C.
- 7. <u>Binding Effect</u>. This Agreement shall be binding upon, inure to the benefit of and be enforceable by Debtor, Secured Party and their respective successors and assigns. Debtor may not assign, transfer, hypothecate or otherwise convey its rights, benefits, obligations or duties hereunder except as specifically permitted by the Loan Agreement.
- 8. Governing Law. This Agreement shall be governed by, and construed in accordance with, the law of the State of Maine, except as required by mandatory provisions of law or to the extent the validity, perfection or priority of the security interests hereunder, or the remedies hereunder, in respect of any IP Collateral are governed by the law of a jurisdiction other than Maine.
- 9. Entire Agreement; Amendment. This Agreement and the Loan Agreement, together with the Schedules hereto and thereto, contains the entire agreement of the parties with respect to the subject matter hereof and supersedes all prior drafts and communications relating to such subject matter. Neither this Agreement nor any provision hereof may be modified, amended or waived except by the written agreement of the parties, as provided in the Loan Agreement. Notwithstanding the foregoing, Secured Party unilaterally may re-execute this Agreement or modify, amend or supplement the Schedules hereto as provided in paragraph 6 hereof. To the extent that any provision of this Agreement conflicts with any provision of the Loan Agreement, the provision giving Secured Party greater rights or remedies shall govern, it being understood that the purpose of this Agreement is to add to, and not detract from, the rights granted to Secured Party under the Loan Agreement.

- Counterparts. This Agreement may be executed in any number of counterparts and by different parties hereto in separate counterparts, each of which when so executed shall be deemed to be an original and all of which taken together shall constitute but one and the same agreement.
- 11. Termination. Upon payment and performance in full of all Obligations, the security interests created by this Agreement shall terminate and Secured Party (at Debtor's expense) shall promptly execute and deliver to Debtor such documents and instruments reasonably requested by Debtor as shall be necessary to evidence termination of all such security interests given by Debtor to Secured Party hereunder, including cancellation of this Agreement by written notice from Secured Party to the PTO and/or the Copyright Office.
- 12. No Inconsistent Requirements. Debtor acknowledges that this Agreement and the other documents, agreements and instruments entered into or executed in connection herewith may contain covenants and other terms and provisions variously stated regarding the same or similar matters, and Debtor agrees that all such covenants, terms and provisions are cumulative and all shall be performed and satisfied in accordance with their respective terms.
- 13. Severability. If one or more provisions contained in this Agreement shall be invalid, illegal or unenforceable in any respect in any jurisdiction or with respect to any party, such invalidity, illegality or unenforceability in such jurisdiction or with respect to such party shall, to the fullest extent permitted by applicable law, not invalidate or render illegal or unenforceable any such provision in any other jurisdiction or with respect to any other party, or any other provisions of this Agreement.
- 14. Notices. All notices and other communications hereunder shall be in writing and shall be mailed, sent or delivered in accordance with the Loan Agreement.

IN WITNESS WHEREOF, the parties hereto have duly executed this Agreement, as of the date first above written.

Witnessed by:	
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ELMET TECHNOLOGIES, INC.

1 Name:

President

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CITIZENS BANK NEW HAMPSHIRE

Its Vice President

Schedule A Licensed Patents

<u>Inventor</u>	Assignee	Date Issued	Patent No.	<u>Title</u>
Geenan et al	U.S. Philips Corp.	May 31, 1988	4,748,493	Diode and Metal Stud Therefor
Geenan et al	U.S. Philips Corp.	July 19, 1988	4,758,874	Diode and Metal Stud Therefor

Schedule B Trademarks

1. <u>Assigned Trademarks</u>

Word Mark	Product	Serial Number	Registration Number	Registration Date
Elmet	Tungsten wire	71473456	0411291	1/09/45
	for use in			
	electric lamps			
	and radio tubes			

2. <u>Licensed Trademarks</u>

"P" (stylized) (stylized mark as shown in the drawing for cancelled U.S. Trademark Reg. No. 1,422,520)

Gray Stripe Trade Dress

Philips Globe, Stars and Waves shield design as shown in U.S. Trademark Reg. No. 1644989

"Philips" in blue color together with gray stripe design as shown, for example, in Philips Elmet business card, Exhibit 1 to this Schedule

Gray and blue company colors

The common law trademark "Philips"

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Schedule C Copyrights

Registered Copyrights 1.

None

2. Copyright Applications

None

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RECORDED: 01/12/2004