TRADEMARK ASSIGNMENT

Electronic Version v1.1
Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY INTEREST

CONVEYING PARTY DATA

Name	Formerly	Execution Date	Entity Type
HEI, Inc.		05/17/2007	CORPORATION: MINNESOTA

RECEIVING PARTY DATA

Name:	Wells Fargo Bank, National Association
Street Address:	MAC N9312-040
Internal Address:	Sixth and Marquette
City:	Minneapolis
State/Country:	MINNESOTA
Postal Code:	55479
Entity Type:	National Association:

PROPERTY NUMBERS Total: 8

Property Type	Number	Word Mark
Registration Number:	2813295	FRESH AIR
Registration Number:	3102088	GRIDVIEW
Registration Number:	2146270	HEI
Registration Number:	1641114	HEI
Registration Number:	886242	HEI
Registration Number:	1641112	HEI INC
Registration Number:	3047365	LINK-IT
Registration Number:	2569474	ONESOURCE OUTSOURCE

CH $215.00 2813295

CORRESPONDENCE DATA

Fax Number: (612)340-8856
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
Phone: (612) 492-6863
Email: ip.docket@dorsey.com
Correspondent Name: Kari B. Delander

Address Line 1:	Dorsey & Whitney LLP
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Address Line 4:	Minneapolis, MINNESOTA 55402-1498

ATTORNEY DOCKET NUMBER:	10149
NAME OF SUBMITTER:	Kari B. Delander
Signature:	/Kari B. Delander/
Date:	06/30/2007

Total Attachments: 12
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PATENT AND TRADEMARK SECURITY AGREEMENT

This Agreement, dated as of May 15, 2007, is made by and between HEI, Inc., a Minnesota corporation having a business location at the address set forth below next to its signature (the "Debtor"), and Wells Fargo Bank, National Association (the "Secured Party"), acting through its Wells Fargo Business Credit operating division, and having a business location at the address set forth below next to its signature.

Recitals

The Debtor and the Secured Party are parties to a Credit and Security Agreement dated as of May 15, 2007, and a Credit and Security Agreement for the Export-Import Bank Guaranteed Credit Facility dated as of May 15, 2007 (each, as the same may hereafter be amended, supplemented or restated from time to time, together, the "Credit Agreement") setting forth the terms on which the Secured Party may now or hereafter extend credit to or for the account of the Debtor.

As a condition to extending credit to or for the account of the Debtor, the Secured Party has required the execution and delivery of this Agreement by the Debtor.

ACCORDINGLY, in consideration of the mutual covenants contained in the Loan Documents and herein, the parties hereby agree as follows:

1. Definitions. All terms defined in the Recitals hereto or in the Credit Agreement that are not otherwise defined herein shall have the meanings given to them therein. In addition, the following terms have the meanings set forth below:

"Obligations" means each and every debt, liability and obligation of every type and description arising under or in connection with any Loan Document (as defined in the Credit Agreement) which the Debtor may now or at any time hereafter owe to the Secured Party, whether such debt, liability or obligation now exists or is hereafter created or incurred and whether it is or may be direct or indirect, due or to become due, absolute or contingent, primary or secondary, liquidated or unliquidated, independent, joint, several or joint and several, and including specifically, but not limited to, the Obligations (as defined in the Credit Agreement).

"Patents" means all of the Debtor's right, title and interest in and to patents or applications for patents, fees or royalties with respect to each, and including without limitation the right to sue for past infringement and damages therefor, and licenses thereunder, all as presently existing or hereafter arising or acquired, including without limitation the patents listed on Exhibit A.

"Security Interest" has the meaning given in Section 2.

"Trademarks" means all of the Debtor's right, title and interest in and to: (i) trademarks, service marks, collective membership marks, registrations and applications for registration for each, and the respective goodwill associated with each,

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(ii) licenses, fees or royalties with respect to each, (iii) the right to sue for past, present and future infringement, dilution and damages therefor, and (iv) licenses thereunder, all as presently existing or hereafter arising or acquired, including, without limitation, the marks listed on Exhibit B.

2. Security Interest. The Debtor hereby irrevocably pledges and assigns to, and grants the Secured Party a security interest (the "Security Interest") with power of sale to the extent permitted by law, in the Patents and in the Trademarks to secure payment of the Obligations. As set forth in the Credit Agreement, the Security Interest is coupled with a security interest in substantially all of the personal property of the Debtor. This Agreement grants only the Security Interest herein described, is not intended to and does not affect any present transfer of title of any trademark registration or application and makes no assignment and grants no right to assign or perform any other action with respect to any intent to use trademark application, unless such action is permitted under 15 U.S.C. § 1060.

3. Representations, Warranties and Agreements. The Debtor represents, warrants and agrees as follows:

(a) ***Existence; Authority***. The Debtor is a corporation duly organized, validly existing and in good standing under the laws of its state of incorporation, and this Agreement has been duly and validly authorized by all necessary corporate action on the part of the Debtor.

(b) ***Patents***. Exhibit A accurately lists all Patents owned or controlled by the Debtor as of the date hereof, or to which the Debtor has a right as of the date hereof to have assigned to it, and accurately reflects the existence and status of applications and letters patent pertaining to the Patents as of the date hereof. If after the date hereof, the Debtor owns, controls or has a right to have assigned to it any Patents not listed on Exhibit A, or if Exhibit A ceases to accurately reflect the existence and status of applications and letters patent pertaining to the Patents, then the Debtor shall within 60 days provide written notice to the Secured Party with a replacement Exhibit A, which upon acceptance by the Secured Party shall become part of this Agreement.

(c) ***Trademarks***. Exhibit B accurately lists all Trademarks owned or controlled by the Debtor as of the date hereof and accurately reflects the existence and status of Trademarks and all applications and registrations pertaining thereto as of the date hereof; provided, however, that Exhibit B need not list common law marks (i.e., Trademarks for which there are no applications or registrations) which are not material to the Debtor's or any Affiliate's business(es). If after the date hereof, the Debtor owns or controls any Trademarks not listed on Exhibit B (other than common law marks which are not material to the Debtor's or any Affiliate's business(es)), or if Exhibit B ceases to accurately reflect the existence and status of applications and registrations pertaining to the Trademarks, then the Debtor shall within 60 days provide written notice to the Secured Party with a replacement Exhibit B, which upon acceptance by the Secured Party shall become part of this Agreement.

(d) ***Affiliates***. As of the date hereof, no Affiliate owns, controls, or has a right to have assigned to it any items that would, if such item were owned by the Debtor, constitute Patents or Trademarks. If after the date hereof any Affiliate owns, controls, or has a right to have assigned to it any such items, then the Debtor shall promptly either: (i) cause such Affiliate to assign all of its rights in such item(s) to the Debtor; or (ii) notify the Secured Party of such item(s) and cause such Affiliate to execute and deliver to the Secured Party a patent and trademark security agreement substantially in the form of this Agreement.

(e) ***Title***. The Debtor has absolute title to each Patent and each Trademark listed on Exhibits A and B, free and clear of all Liens except Permitted Liens. The Debtor (i) will have, at the time the Debtor acquires any rights in Patents or Trademarks hereafter arising, absolute title to each such Patent or Trademark free and clear of all Liens except Permitted Liens, and (ii) will keep all Patents and Trademarks free and clear of all Liens except Permitted Liens.

(f) ***No Sale***. Except as permitted in the Credit Agreement, the Debtor will not assign, transfer, encumber or otherwise dispose of the Patents or Trademarks, or any interest therein, without the Secured Party's prior written consent.

(g) ***Defense***. The Debtor will at its own expense and using commercially reasonable efforts, protect and defend the Patents and Trademarks against all claims or demands of all Persons other than those holding Permitted Liens.

(h) ***Maintenance***. The Debtor will at its own expense maintain the Patents and the Trademarks to the extent reasonably advisable in its business including, but not limited to, filing all applications to obtain letters patent or trademark registrations and all affidavits, maintenance fees, annuities, and renewals possible with respect to letters patent, trademark registrations and applications therefor. The Debtor covenants that it will not abandon nor fail to pay any maintenance fee or annuity due and payable on any Patent or Trademark, nor fail to file any required affidavit or renewal in support thereof, without first providing the Secured Party: (i) sufficient written notice, of at least 30 days, to allow the Secured Party to timely pay any such maintenance fees or annuities which may become due on any Patents or Trademarks, or to file any affidavit or renewal with respect thereto, and (ii) a separate written power of attorney or other authorization to pay such maintenance fees or annuities, or to file such affidavit or renewal, should such be necessary or desirable.

(i) ***Secured Party's Right to Take Action***. If the Debtor fails to perform or observe any of its covenants or agreements set forth in this Section 3, and if such failure continues for a period of ten (10) calendar days after the Secured Party gives the Debtor written notice thereof (or, in the case of the agreements contained in subsection (h), immediately upon the occurrence of such failure, without notice or lapse of time), or if the Debtor notifies the Secured Party that it intends to abandon a Patent or Trademark, the Secured Party may (but need not) perform or observe such covenant or agreement or take steps to prevent such intended abandonment on behalf and in the name, place and stead of

the Debtor (or, at the Secured Party's option, in the Secured Party's own name) and may (but need not) take any and all other actions which the Secured Party may reasonably deem necessary to cure or correct such failure or prevent such intended abandonment.

(j) ***Costs and Expenses***. Except to the extent that the effect of such payment would be to render any loan or forbearance of money usurious or otherwise illegal under any applicable law, the Debtor shall pay the Secured Party on demand the amount of all moneys expended and all costs and expenses (including reasonable attorneys' fees and disbursements) incurred by the Secured Party in connection with or as a result of the Secured Party's taking action under subsection (i) or exercising its rights under Section 6, together with interest thereon from the date expended or incurred by the Secured Party at the Default Rate.

(k) ***Power of Attorney***. To facilitate the Secured Party's taking action under subsection (i) and exercising its rights under Section 6, the Debtor hereby irrevocably appoints (which appointment is coupled with an interest) the Secured Party, or its delegate, as the attorney-in-fact of the Debtor with the right (but not the duty) from time to time to create, prepare, complete, execute, deliver, endorse or file, in the name and on behalf of the Debtor, any and all instruments, documents, applications, financing statements, and other agreements and writings required to be obtained, executed, delivered or endorsed by the Debtor under this Section 3, or, necessary for the Secured Party, after an Event of Default, to enforce or use the Patents or Trademarks or to grant or issue any exclusive or non-exclusive license under the Patents or Trademarks to any third party, or to sell, assign, transfer, pledge, encumber or otherwise transfer title in or dispose of the Patents or Trademarks to any third party. The Debtor hereby ratifies all that such attorney shall lawfully do or cause to be done by virtue hereof. The power of attorney granted herein shall terminate upon the termination of the Credit Agreement as provided therein and the payment and performance of all Obligations.

4. Debtor's Use of the Patents and Trademarks. The Debtor shall be permitted to control and manage the Patents and Trademarks, including the right to exclude others from making, using or selling items covered by the Patents and Trademarks and any licenses thereunder, in the same manner and with the same effect as if this Agreement had not been entered into, so long as no Event of Default occurs and remains uncured.

5. Events of Default. Each of the following occurrences shall constitute an event of default under this Agreement (herein called "Event of Default"): (a) an Event of Default, as defined in the Credit Agreement, shall occur; or (b) the Debtor shall fail promptly to observe or perform any covenant or agreement herein binding on it; or (c) any of the representations or warranties contained in Section 3 shall prove to have been incorrect in any material respect when made.

6. Remedies. Upon the occurrence of an Event of Default and at any time thereafter, the Secured Party may, at its option, take any or all of the following actions:

(a) The Secured Party may exercise any or all remedies available under the Credit Agreement.

(b) The Secured Party may sell, assign, transfer, pledge, encumber or otherwise dispose of the Patents and Trademarks in accordance with Section 7.2 of the Credit Agreement.

(c) The Secured Party may enforce the Patents and Trademarks and any licenses thereunder, and if Secured Party shall commence any suit for such enforcement, the Debtor shall, at the request of Secured Party, do any and all lawful acts and execute any and all proper documents required by Secured Party in aid of such enforcement.

7. Execution in Counterparts. This Agreement may be executed in any number of counterparts, each of which when so executed and delivered shall be deemed to be an original and all of which counterparts, taken together, shall constitute but one and the same instrument.

8. Miscellaneous. This Agreement can be waived, modified, amended, terminated or discharged, and the Security Interest can be released, only explicitly in a writing signed by the Secured Party. A waiver signed by the Secured Party shall be effective only in the specific instance and for the specific purpose given. Mere delay or failure to act shall not preclude the exercise or enforcement of any of the Secured Party's rights or remedies. All rights and remedies of the Secured Party shall be cumulative and may be exercised singularly or concurrently, at the Secured Party's option, and the exercise or enforcement of any one such right or remedy shall neither be a condition to nor bar the exercise or enforcement of any other. All notices to be given to Debtor under this Agreement shall be given in the manner and with the effect provided in the Credit Agreement. The Secured Party shall not be obligated to preserve any rights the Debtor may have against prior parties, to realize on the Patents and Trademarks at all or in any particular manner or order, or to apply any cash proceeds of Patents and Trademarks in any particular order of application. This Agreement shall be binding upon and inure to the benefit of the Debtor and the Secured Party and their respective participants, successors and assigns and shall take effect when signed by the Debtor and delivered to the Secured Party, and the Debtor waives notice of the Secured Party's acceptance hereof. The Secured Party may execute this Agreement if appropriate for the purpose of filing, but the failure of the Secured Party to execute this Agreement shall not affect or impair the validity or effectiveness of this Agreement. A carbon, photographic or other reproduction of this Agreement or of any financing statement signed by the Debtor shall have the same force and effect as the original for all purposes of a financing statement. This Agreement shall be governed by the internal law of Minnesota without regard to conflicts of law provisions. If any provision or application of this Agreement is held unlawful or unenforceable in any respect, such illegality or unenforceability shall not affect other provisions or applications which can be given effect and this Agreement shall be construed as if the unlawful or unenforceable provision or application had never been contained herein or prescribed hereby. All representations and warranties contained in this Agreement shall survive the

execution, delivery and performance of this Agreement and the creation and payment of the Obligations.

THE PARTIES WAIVE ANY RIGHT TO TRIAL BY JURY IN ANY ACTION OR PROCEEDING BASED ON OR PERTAINING TO THIS AGREEMENT.

[The remainder of this page has been intentionally left blank.]

IN WITNESS WHEREOF, the parties have executed this Patent and Trademark Security Agreement as of the date written above.

HEI, Inc.
1495 Steiger Lake lane
Victoria, Minnesota 55386

HEI, INC.

By: _____
Name: Mark Thomas
Its: Chief Executive Officer and Chief Financial Officer

Wells Fargo Bank, National Association, acting through its Wells Fargo Business Credit operating division
MAC N9312-040
Sixth and Marquette
Minneapolis, Minnesota 55479

WELLS FARGO BANK, NATIONAL ASSOCIATION, acting through its Wells Fargo Business Credit operating division

By: _____
Name: Michael L. Guillou
Its: Relationship Manager

[Signature page to Patent and Trademark Security Agreement]

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STATE OF MINNESOTA)
) ss.
COUNTY OF HENNEPIN)

The foregoing instrument was acknowledged before me this 15th day of May, 2007, by Mark Thomas, the Chief Executive Officer and Chief Financial Officer of HEI, Inc., a Minnesota corporation, on behalf of the corporation.

Notary Public

JAMIE LEA ERICKSON
NOTARY PUBLIC - MINNESOTA
My Commission Expires Jan. 31, 2010

STATE OF MINNESOTA)
) ss.
COUNTY OF HENNEPIN)

The foregoing instrument was acknowledged before me this 15th day of May, 2007, by Michael L. Guillou, a Relationship Manager of Wells Fargo Bank, National Association, on behalf of the national association.

Notary Public

JAMIE LEA ERICKSON
NOTARY PUBLIC - MINNESOTA
My Commission Expires Jan. 31, 2010

[Signature page to Patent and Trademark Security Agreement]

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EXHIBIT A

UNITED STATES ISSUED PATENTS

Title	Patent Number	Issue Date

See Attached Exhibit A.1

UNITED STATES PATENT APPLICATIONS

Title	Application Number	Filing Date

NONE

FOREIGN ISSUED PATENTS

Title	Country	Patent Number	Issue Date

NONE

FOREIGN PATENT APPLICATIONS

Title	Country	Application Number	Filing Date

NONE

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EXHIBIT A.1

Patents

Docket No.	Title	Serial/Patent No.
10139.0016-US-01	Method of Mount DC Block Capacitor for Microwave Circuit and Packaging	6,646,521
10139.0016-TA-01	Method of Mount DC Block Capacitor for Microwave Circuit and Packaging	194018
10139.0017-US-01	Interconnection Device and Method	6,294,966
10139.0017-US-C1	Interconnection Device and Method	6,469,592
10139.0017-TA-01	Interconnection Device and Method	156859
10139.0027-TA-01	Test Methods, Systems, and Probes for High-Frequency Wireless Communications Devices	189906
10139.0027-CC-WO	Test Methods, Systems, and Probes for High Frequency Wireless Communications Devices	18149812
116.0006US1	HIGH DENSITY STACKED CIRCUIT MODULE	6,014,320
116.010US1	HEARING-AID ASSEMBLY USING FOLDED FLEX CIRCUITS	6,674,869
116.012US1	STRUCTURES AND ASSEMBLY METHODS FOR RADIO-FREQUENCY-IDENTIFICATIONS MODULES	6,696,952
	Test methods, systems, and probes for high-frequency wireless-communications devices	6,798,223
	Low voltage MEM switch	2004/0012469

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EXHIBIT B

UNITED STATES ISSUED TRADEMARKS, SERVICE MARKS
AND COLLECTIVE MEMBERSHIP MARKS

REGISTRATIONS

Mark	Registration Number	Registration Date

See Attached Exhibit B.1

APPLICATIONS

Mark	Serial Number	Filing Date

See Attached Exhibit B.1

COLLECTIVE MEMBERSHIP MARKS

NONE

UNREGISTERED MARKS

NONE

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EXHIBIT B. 1

U.S. TRADEMARKS

REGISTRATIONS

Mark	Registration No.	Registration Date
FRESH AIR	2,813,295	February 10, 2004
GRIDVIEW	3,102,088	June 6, 2006
HEI	2,146,270	March 24, 1998
HEI (Stylized)	1,641,114	April 16, 1991
HEI (Stylized)	886,242	February 17, 1970
HEI INC	1,641,112	April 16, 1991
LINK-IT	3,047,365	January 24, 2006
ONESOURCE OUTSOURCE	2,569,474	May 14, 2002

APPLICATIONS

None