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Form **PTO-1594** (Rev. 07/05)
OMB Collection 0651-0027 (exp. 6/30/2008)

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# RECORDATION FORM COVE
# TRADEMARKS O

To the Director of the U. S. Patent and Trademark Office: Please record the ...w.

**1. Name of conveying party(ies):**

ALEREON, INC.

☐ Individual(s) ☐ Association
☐ General Partnership ☐ Limited Partnership
☑ Corporation- State: Delaware
☐ Other

Citizenship (see guidelines)

Additional names of conveying parties attached? ☐ Yes ☑ No

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

Additional names, addresses, or citizenship attached? ☐ Yes ☑ No

Name: Venture Lending & Leasing IV, Inc. and
Internal Address: Venture Lending & Leasing V, Inc.

Street Address: 2010 North First Street

City: San Jose

State: California

Country: US Zip: 95131

☐ Association Citizenship
☐ General Partnership Citizenship
☐ Limited Partnership Citizenship
☑ Corporation Citizenship Maryland
☐ Other Citizenship

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)

**3. Nature of conveyance )/Execution Date(s) :**

Execution Date(s) 2/13/08

☐ Assignment ☐ Merger
☑ Security Agreement ☐ Change of Name
☐ Other

**4. Application number(s) or registration number(s) and identification or description of the Trademark.**

A. Trademark Application No.(s)
78/678513; 78/717821; 78/616427

B. Trademark Registration No.(s)

Additional sheet(s) attached? ☐ Yes ☑ No

C. Identification or Description of Trademark(s) (and Filing Date if Application or Registration Number is unknown):

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

Name: Russell D. Pollock, Esq.

Internal Address:

Street Address: Four Embarcadero Center, Suite 4000

City: San Francisco

State: California Zip: 94111

Phone Number: 415-981-1400

Fax Number: 415-777-4961

Email Address:

**6. Total number of applications and registrations involved:** 3

**7. Total fee** (37 CFR 2.6(b)(6) & 3.41) $ 90.00

☐ Authorized to be charged by credit card
☐ Authorized to be charged to deposit account
☑ Enclosed

**8. Payment Information:**

a. Credit Card Last 4 Numbers
Expiration Date

b. Deposit Account Number

Authorized User Name

**9. Signature:**

Signature 3/6/08

Jeffrey T. Klugman
Name of Person Signing

03/10/2008 MJAMA1 D[illegible] 78678513
01 FC:8521 40.00 OP
02 FC:8522 50.00 OP

Total number of pages including cover sheet, attachments, and document: 17

**Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:**
**Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450**

# INTELLECTUAL PROPERTY SECURITY AGREEMENT

This Intellectual Property Security Agreement (this "Agreement") is made as of February 13, 2008, by and between ALEREON, INC., a Delaware corporation ("Grantor"), and VENTURE LENDING & LEASING IV, INC. ("VLL4") and VENTURE LENDING & LEASING V, INC. ("VLL5"), both Maryland corporations (sometimes referred to herein individually or together as "Secured Party").

## RECITALS

A. Pursuant to a Loan and Security Agreement and Supplement thereto, both dated as of August 30, 2007 (the "Loan Agreement" and the "Supplement," respectively) between Grantor, as borrower, and Secured Party, as lender, Secured Party agreed to make certain advances of money and to extend certain financial accommodations to Grantor in the amounts and manner set forth in the Loan Agreement and Supplement. All capitalized terms used herein without definition shall have the meanings ascribed to them in the Loan Agreement.

B. Pursuant to Section 5(b) of Part 2 of the Supplement, Grantor agreed to execute and deliver this Agreement upon the occurrence or non-occurrence of certain events and conditions described therein.

NOW, THEREFORE, THE PARTIES HERETO AGREE AS FOLLOWS:

1. Grant of Security Interest. As collateral security for the prompt and complete payment and performance of all of Grantor's present or future Obligations, Grantor hereby grants a security interest and mortgage to Secured Party, as security, in and to Grantor's entire right, title and interest in, to and under the following Intellectual Property, now owned or hereafter acquired by Grantor or in which Grantor now holds or hereafter acquires any interest (all of which shall collectively be called the "Collateral" for purposes of this Agreement):

(a) Any and all copyrights, whether registered or unregistered, held pursuant to the laws of the United States, any State thereof or of any other country; all registrations, applications and recordings in the United States Copyright Office or in any similar office or agency of the United States, and State thereof or any other country; all continuations, renewals, or extensions thereof; and any registrations to be issued under any pending applications, including without limitation those set forth on Exhibit A attached hereto (collectively, the "Copyrights");

(b) All letters patent of, or rights corresponding thereto in, the United States or any other country, all registrations and recordings thereof, and all applications for letters patent of, or rights corresponding thereto in, the United States or any other country, including, without limitation, registrations, recordings and applications in the United States Patent and Trademark Office or in any similar office or agency of the United States, any State thereof or any other country; all reissues, continuations, continuations-in-part or extensions thereof; all petty patents, divisionals, and patents of addition; and all patents to be issued under any such applications, including without limitation the patents and patent applications set forth on Exhibit B attached hereto (collectively, the "Patents");

(c) All trademarks, trade names, corporate names, business names, trade styles, service marks, logos, other source or business identifiers, prints and labels on which any of the foregoing have appeared or appear, designs and general intangibles of like nature, now existing or hereafter adopted or acquired, all registrations and recordings thereof, and any applications in connection therewith, including, without limitation, registrations, recordings and applications in the United States Patent and Trademark Office or in any similar office or agency of the United States, any State thereof or any other country or any political subdivision thereof, and reissues, extensions or renewals thereof, and the entire goodwill of the business of Grantor connected with and symbolized by



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such trademarks, including without limitation those set forth on Exhibit C attached hereto (collectively, the "Trademarks");

(d) Any and all claims for damages by way of past, present and future infringement of any of the rights included above, with the right, but not the obligation, to sue for and collect such damages for said use or infringement of the intellectual property rights identified above;

(e) All licenses or other rights to use any of the Copyrights, Patents or Trademarks, and all license fees and royalties arising from such use to the extent permitted by such license or rights;

(f) All amendments, renewals and extensions of any of the Copyrights, Trademarks or Patents; and

(g) All proceeds and products of the foregoing, including without limitation all payments under insurance or any indemnity or warranty payable in respect of any of the foregoing.

Notwithstanding the foregoing the term "Collateral" shall not include: (a) "intent-to-use" trademarks at all times prior to the first use thereof, whether by the actual use thereof in commerce, the recording of a statement of use with the United States Patent and Trademark Office or otherwise, but only to the extent the granting of a security interest in such "intent to use" trademarks would be contrary to applicable law or (b) any contract, instrument or chattel paper in which Grantor has any right, title or interest if and to the extent such contract, instrument or chattel paper includes a provision containing a restriction on assignment such that the creation of a security interest in the right, title or interest of Grantor therein would be prohibited and would, in and of itself, cause or result in a default thereunder enabling another person party to such contract, instrument or chattel paper to enforce any remedy with respect thereto; provided, however, that the foregoing exclusion shall not apply if (i) such prohibition has been waived or such other person has otherwise consented to the creation hereunder of a security interest in such contract, instrument or chattel paper, or (ii) such prohibition would be rendered ineffective pursuant to Sections 9-407(a) or 9-408(a) of the UCC, as applicable and as then in effect in any relevant jurisdiction, or any other applicable law (including the Bankruptcy Code) or principles of equity); provided further that immediately upon the ineffectiveness, lapse or termination of any such provision, the term "Collateral" shall include, and Grantor shall be deemed to have granted a security interest in, all its rights, title and interests in and to such contract, instrument or chattel paper as if such provision had never been in effect; and provided further that the foregoing exclusion shall in no way be construed so as to limit, impair or otherwise affect Secured Party's unconditional continuing security interest in and to all rights, title and interests of Grantor in or to any payment obligations or other rights to receive monies due or to become due under any such contract, instrument or chattel paper and in any such monies and other proceeds of such contract, instrument or chattel paper.

2. Covenants and Warranties. Grantor represents, warrants, covenants and agrees as follows:

(a) Grantor is now the sole owner of the Collateral, except for Permitted Liens;

(b) During the term of this Agreement, Grantor will not transfer or otherwise encumber any interest in the Collateral, except for Permitted Liens;

(c) To its knowledge, each of the Patents is valid and enforceable, and no part of the Collateral has been judged invalid or unenforceable, in whole or in part, and no claim has been made that any part of the Collateral violates the rights of any third party;

(d) **Grantor shall deliver to Secured Party within thirty (30) days of the last day of each fiscal quarter in which there is a change or update to the reported contents from the previous fiscal quarter, a report signed by Grantor, in form reasonably acceptable to Secured Party, listing any applications or**

**registrations that Grantor has made or filed in respect of any patents, copyrights or trademarks and the status of any outstanding applications or registrations. Grantor shall promptly advise Secured Party of any material change in the composition of the Collateral as to which an application or registration has been made, including but not limited to any subsequent ownership right of the Grantor in or to any registered Trademark, Patent or Copyright not specified in this Agreement;**

(e) Grantor shall use reasonable commercial efforts to (i) protect, defend and maintain the validity and enforceability of the Trademarks, Patents and Copyrights to the extent Grantor's Board of Directors determines that it is reasonable to do so (ii) detect infringements of the Trademarks, Patents and Copyrights and promptly advise Secured Party in writing of material infringements detected and (iii) not allow any material Trademarks, Patents or Copyrights to be abandoned, forfeited or dedicated to the public unless Grantor's Board of Directors has determined that such action is reasonable; and

(f) Grantor shall apply for registration on (to the extent not already registered) with the United States Patent and Trademark Office or the United States Copyright Office, as applicable: (i) those intellectual property rights listed on Exhibits A, B and C hereto within thirty (30) days of the date of this Agreement; and (ii) those additional intellectual property rights developed or acquired by Grantor from time to time in connection with any product or service, prior to the sale or licensing of such product or the rendering of such service to any third party (including without limitation revisions or additions to the intellectual property rights listed on such Exhibits A, B and C), except with respect to such rights that Grantor determines in its sole but reasonable commercial judgment need not be registered to protect its own business interests. Grantor shall, from time to time, execute and file such other instruments, and take such further actions as Secured Party may reasonably request from time to time to perfect or continue the perfection of Secured Party's interest in the Collateral. Grantor shall give Secured Party notice of all such applications or registrations.

3. Further Assurances; Attorney in Fact.

(a) On a continuing basis, Grantor will subject to any prior licenses, encumbrances, restrictions and Permitted Liens, make, execute, acknowledge and deliver, and file and record in the proper filing and recording places in the United States, all such instruments, including appropriate financing and continuation statements and collateral agreements and filings with the United States Patent and Trademark Office and the Register of Copyrights, and take all such action as may reasonably be deemed necessary or advisable, or as reasonably requested by Secured Party, to perfect Secured Party's security interest in all Copyrights, Patents and Trademarks and otherwise to carry out the intent and purposes of this Agreement, or for assuring and confirming to Secured Party the grant or perfection of a security interest in all Collateral.

(b) Grantor hereby irrevocably appoints Secured Party as Grantor's attorney-in-fact, with full authority in the place and stead of Grantor and in the name of Grantor, from time to time in Secured Party's discretion, to take any action and to execute any instrument which Secured Party may deem reasonably necessary or advisable to accomplish the purposes of this Agreement, including (i) to modify, in its sole discretion, this Agreement without first obtaining Grantor's approval of or signature to such modification by amending Exhibits A, B and C, hereof, as appropriate, to include reference to any right, title or interest in any Copyrights, Patents or Trademarks acquired by Grantor after the execution hereof or to delete any reference to any right, title or interest in any Copyrights, Patents or Trademarks in which Grantor no longer has or claims any right, title or interest, (ii) to file, in its sole discretion, one or more financing or continuation statements and amendments thereto, relative to any of the Collateral without the signature of Grantor where permitted by law, and (iii) only after the occurrence and during the continuance of an Event of Default, to transfer the Collateral into the name of Secured Party or a third party to the extent permitted under the California Uniform Commercial Code.

(c) Secured Party agrees that it shall release its Lien on the Collateral (as such term is defined herein), and shall be entitled to have such Lien restored and re-granted, on the terms and conditions set forth in the

Supplement, and the parties agree to execute and deliver, at Grantor's sole cost and expense, all documents and instruments necessary to effectuate such release and re-grant, if any. So long as no Event of Default is continuing, Secured Party shall take or refrain from taking such actions with respect to the Collateral as Grantor may reasonably request to prevent Secured Party's security interest in the Collateral from interfering with the day-to-day operation of Borrower's business.

4. Events of Default. The occurrence of any Event of Default under the Loan Agreement shall constitute an Event of Default under this Agreement. Secured Party's right to take enforcement action against the Collateral (as such term is defined herein) after the occurrence of an event of default shall be subject to certain terms and conditions set forth in the Supplement.

5. Amendments. This Agreement may be amended only by a written instrument signed by both parties hereto, except for amendments permitted under Section 3 hereof to be made by Secured Party alone.

6. Counterparts. This Agreement may be executed in two or more counterparts, each of which shall be deemed an original but all of which together shall constitute the same instrument.

7. Several Nature of Secured Party's Obligations and Rights; Pari Passu Security Interests. This Agreement is and shall be interpreted for all purposes as separate and distinct agreements between Grantor and VLL4, on the one hand, and Grantor and VLL5, on the other hand, and nothing in this Agreement shall be deemed a joint venture, partnership or other association between VLL4 and VLL5. Each reference in this Agreement to "Secured Party" shall mean and refer to each of VLL4 and VLL5, singly and independent of one another. Without limiting the generality of the foregoing, the covenants and other obligations of "Secured Party" under this Agreement are several and not joint obligations of VLL4 and VLL5, and all rights and remedies of "Secured Party" under this Agreement may be exercised by VLL4 and/or VLL5 independently of one another. The security interests granted by Grantor to each of VLL4 and VLL5 hereunder and under the Loan Agreement shall be deemed to have been granted and perfected at the same time and shall be of equal priority.

*[Signature Pages Follow]*



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IN WITNESS WHEREOF, the parties hereto have executed this Agreement on the day and year first above written.

GRANTOR:

Address of Grantor:

ALEREON, INC.

7600 North Capital of Texas Highway
Building C, Suite 200
Austin, TX 78731
Attn: VP, FINANCE

By: _____

Name: DIRK LUTHRO

Its: VP, FINANCE - ADMINISTRATION

SECURED PARTY:

Address of Secured Party:

VENTURE LENDING & LEASING IV, INC.

2010 North First Street, Suite 310
San Jose, CA 95131
Attn: Chief Financial Officer

By: _____

Name: David R. Wanek

Its: Vice President

Address of Secured Party:

VENTURE LENDING & LEASING V, INC.

2010 North First Street, Suite 310
San Jose, CA 95131
Attn: Chief Financial Officer

By: _____

Name: David R. Wanek

Its: Vice President

EXHIBIT A

Copyrights

| Description | Registration Number | Registration Date |
|---|---|---|
| None | | |

EXHIBIT B

Patents

| | | Description | Application/Issued No. | | Filing/Granted Date | |
|---|---|---|---|---|---|---|
| 1 | ALER1100/US | Wireless DMA | 60/480,710 | | 23-Jun-2003 | |
| 2 | ALER1120/US | Conversion of Wired Protocols to a Wireless Environment | 60/480,721 | | 23-Jun-2003 | |
| 3 | ALER1130/US | Distributed Supercomputing Enabler Using Wireless DMA | 60/480,816 | | 23-Jun-2003 | |
| 4 | ALER1140/US | Wireless USB | 60/480,708 | | 23-Jun-2003 | |
| 5 | ALER1150/US | Wireless Mesh Networking Implemented Over TDMA | 60/487,293 | | 15-Jul-2003 | |
| 6 | ALER1160/US | Wireless 1394 by Means of Wireless DMA | 60/487,302 | | 15-Jul-2003 | |
| 7 | ALER1170/US | An Efficient Data Transfer Mechanism | 60/487,563 | | 15-Jul-2003 | |
| 8 | ALER1180/US | Parallel Access Instruction Driven-Dynamic Memory Unit | 60/487,348 | | 15-Jul-2003 | |
| 9 | ALER1180-1 | Systems and Methods for Efficient Memory Management | 10/892,538 | | 15-Jul-2004 | |
| 10 | ALER1190/US | Packet Reordering for Hi-Speed Networks | 60/487,341 | | 15-Jul-2003 | |
| 11 | ALER1200/US | Building a Wireless PCI Bridge by Means of Wireless DMA | 60/487,349 | | 15-Jul-2003 | |
| 12 | ALER1220/US | High Data-Rate Communication Apparatus and Associated Methods | 10/206,648 | | 26-Jul-2002 | |
| 13 | ALER1220-1 | Ultra-Wideband High-Data-Rate Communications | 10/636,920 | 7,190,729 | 07-Aug-2003 | 13-Mar-2007 |
| 14 | ALER1220-2 | Ultra-Wideband High Data-Rate Communication | 10/436,646 | 7,206,334 | 13-May-2003 | 17-Apr-2007 |
| 15 | ALER1220/US/3 | Ultra-Wideband High-Data-Rate Communications | 60/401,711 | | 07-Aug-2002 | |
| 16 | ALER1220-4 | Ultra-Wideband High Data-Rate Communication Apparatus and Associated Methods | 11/712,099 | | 28-Feb-2007 | |
| 17 | ALER1230/US | Transmitting and Receiving Spread Spectrum Signals Using Continuous Waveforms | 60/402,752 | | 12-Aug-2002 | |
| 18 | ALER1230-1 | Transmitting and Receiving Spread Spectrum Signals Using Continuous Waveforms | 10/639,245 | | 12-Aug-2003 | |
| 19 | ALER1240/US | Methods and Sets of Piconets Using Time Frequency Division Multiple Access | 10/688,796 | | 17-Oct-2003 | |
| 20 | ALER1240-1 | Methods and Sets of Piconets Using Time Frequency Division Multiple Access | 11/708,822 | | 21-Feb-2007 | |
| 21 | ALER1250/US | Methods and Apparatuses for | 10/688,274 | | 17-Oct-2003 | |

| | | Description | Application/Issued No. | | Filing/Granted Date | |
|---|---|---|---|---|---|---|
| | | Reducing Interference Using Frequency Division Multiple Access | | | | |
| 22 | ALER1260/US | System and Method of Wirelessly Controlling a Host Computer from a Remote Control Locus | 09/634,722 | | 05-Aug-2000 | |
| 23 | ALER1270/US | System and Method for Wirelessly Controlling at Least One Peripheral Device at a Remote Locus from Host Computer | 09/685,639 | | 10-Oct-2000 | |
| 24 | ALER1280/US | System and Method for Impulse Radio Power Control | 09/332,501 | 6,539,213 | 14-Jun-1999 | 25-Mar-2003 |
| 25 | ALER1280/US/1 | Method and Apparatus for Moderating Interference While Effecting Impulse Radio Wireless Control of Equipment | 09/586,163 | 6,571,089 | 02-Jun-2000 | 27-May-2003 |
| 26 | ALER1280-2 | Method and Apparatus for Power Control in an Ultra Wideband Impulse Radio System | 10/409,009 | 7,079,827 | 08-Apr-2003 | 18-Jul-2006 |
| 27 | ALER1280-3 | Method and Apparatus for Power Control in an Ultra Wideband Radio System | 11/398,951 | 7,209,724 | 06-Apr-2006 | 24-Apr-2007 |
| 28 | ALER1280-4 | Method and Apparatusfor Ultra Wideband Power Control | 11/710,175 | | 23-Feb-2007 | |
| 29 | ALER1290/US | Method and System for Fast Acquisition of Ultra-Wideband Signals | 09/538,292 | 6,556,621 | 29-Mar-2000 | 29-Apr-2003 |
| 30 | ALER1290-1 | Method and System for Fast Acquisition of Ultra-Wideband Signals | 10/356,995 | 6,925,109 | 03-Feb-2003 | 02-Aug-2005 |
| 31 | ALER1290-2 | Method and System for Fast Acquisition of Ultra-Wideband Signals | 11/195,402 | | 02-Aug-2005 | |
| | ALER1290-3 | Method and System for Fast Acquisition of Ultra-Wideband Signals | | | | |
| 32 | ALER1290-4 | Method and System for Fast Acquisition of Ultra-Wideband Signals | 11/654,021 | | 17-Jan-2007 | |
| 33 | ALER1300/US | Wireless Speaker System | 09/694,647 | | 23-Oct-2000 | |
| 34 | ALER1310/US | Impulse Radio Interactive Wireless Gaming System and Method | 09/666,115 | 6,354,946 | 20-Sep-2000 | 12-Mar-2002 |
| 35 | ALER1310/US/1 | Impulse Radio Interactive Wireless Gaming System and Method | 09/873,747 | 6,585,597 | 04-Jun-2001 | 01-Jul-2003 |

| | | Description | Application/Issued No. | | Filing/Granted Date | |
|---|---|---|---|---|---|---|
| 36 | ALER1320/US | Impulse Radio Image and Information Processing and Printing System and Method | 09/709,867 | | 10-Nov-2000 | |
| 37 | ALER1330/US | Wireless Local Area Network Using Impulse Radio Technology to Improve Communication Between Mobile Nodes and Access Points | 09/873,439 | | 04-Jun-2001 | |
| 38 | ALER1340-1 | System and Method for Monitoring Assets, Objects, People and Animals Utilizing Impulse Radio | 09/456,410 | 6,492,904 | 08-Dec-1999 | 10-Dec-2002 |
| 39 | ALER1360/US/1 | Full Duplex Ultrawide-Band Communication System and Method | 09/458,010 | 6,549,567 | 09-Dec-1999 | 15-Apr-2003 |
| 40 | ALER1360-2 | Method and Transceiver for Full Duplex | 10/411,090 | | 11-Apr-2003 | |
| 41 | ALER1360-3 | Fast Locking Mechanism for Channelized Ultrawide-Band Communications | 08/761,602 | 5,832,035 | 06-Dec-1996 | 03-Nov-1998 |
| 42 | ALER1360-4 | Fast Locking Mechanism For Channelized Ultrawide-Band Communications | 11/586,066 | | 25-Oct-2006 | |
| 43 | ALER1370/US | Impulse Radio Virtual Wireless Local Area Network System and Method | 09/501,372 | 7,027,425 | 11-Feb-2000 | 11-Apr-2006 |
| 44 | ALER1370-3 | System and Method for Ultra Wideband Impulse Radio Wireless Local Area Network | | | | |
| 45 | ALER1370-1 | System and Method for a Virtual Wireless Local Area Network | 10/915,074 | | 10-Aug-2004 | |
| 46 | ALER1370-2 | System and Method for an Ultra Wideband Radio Wireless Local Area Network | 11/335,789 | | 19-Jan-2006 | |
| 47 | ALER1380/US | Wireless Local Area Audio/Visual Information Distribution System and Method by Impulse Radio | 09/407,115 | | 27-Sep-1999 | |
| 48 | ALER1380-1 | Wireless Local Area Audio/Visual Information Distribution System and Method by Impulse Radio | 11/140,797 | | 31-May-2005 | |
| 49 | ALER1380-2 | Wireless Local Area Audio/Visual Information Distribution System and Method by Impulse Radio | 11/713,219 | | 02-Mar-2007 | |
| 50 | ALER1390/US | Precision Timing Generator | 09/146,524 | 6,304,623 | 03-Sep-1998 | 16-Oct-2001 |

| | | Description | Application/Issued No. | | Filing/Granted Date | |
|---|---|---|---|---|---|---|
| | | System and Method | | | | |
| 51 | ALER1390-1 | Precision Timing Generator System and Method | 09/954,201 | 6,636,573 | 18-Sep-2001 | 21-Oct-2003 |
| 52 | ALER1390/US/2 | Precision Timing Generator System and Method | 09/910,178 | 6,577,691 | 20-Jul-2001 | 10-Jun-2003 |
| 53 | ALER1390-3 | Precision Timing Generator Apparatus and Associated Methods | 10/329,739 | 6,950,485 | 26-Dec-2002 | 27-Sep-2005 |
| 54 | ALER1400/US | System and Method of Using Multiple Correlator Receiver in an Impulse Radio System | 09/537,264 | | 29-Mar-2000 | |
| 55 | ALER1410/US | Baseband Signal Converter for a Wideband Impulse Radio Receiver | 09/356,384 | 6,421,389 | 16-Jul-1999 | 16-Jul-2002 |
| 56 | ALER1410-1 | Baseband Signal Converter for a Wideband Impulse Radio Receiver | 10/055,007 | 6,937,663 | 23-Jan-2002 | 30-Aug-2005 |
| 57 | ALER1420/US/1 | Mobile Communications System and Method Utilizing Impulse Radio | 09/436,235 | 6,351,652 | 09-Nov-1999 | 26-Feb-2002 |
| 58 | ALER1430/US | Full Duplex Ultrawide-Band Communication System and Method | 08/428,489 | 5,687,169 | 27-Apr-1995 | 11-Nov-1997 |
| 59 | ALER1450/US | Ultra-Wideband High Date-Rate Communication Apparatus and Associated Methods | 60/451,538 | | 03-Mar-2003 | |
| 60 | ALER1460/US | High Pulse-Rate Radio-Frequency Apparatus and Associated Methods | 09/811,326 | | 16-Mar-2001 | |
| | ALER1470/PCT | Method and System for a Scalable Radio Architecture | PCT/US05/03850 | | 04-Feb-2005 | |
| 61 | ALER1470/US | Scalable Architecture for Ultra Wideband Networks | 60/542,326 | | 06-Feb-2004 | |
| 62 | ALER1470-1 | Method and System for a Scalable Radio Architecture | 11/051,552 | | 04-Feb-2005 | |
| 63 | ALER1480/US | Wireless Mesh Networking System and Method | 60/542,312 | | 06-Feb-2004 | |
| 64 | ALER1490/US | High Data Rate Communication Apparatus and Associated Methods | 60/402,677 | | 12-Aug-2002 | |
| 65 | ALER1500/US | Ultra Wide Band Radio System with Poser Control and a Power Saving Sleep Mode | 60/417,112 | | | |
| 66 | ALER1510/US | Apparatus and Related Methods for High-Data Rate Communications | 60/419,459 | | 17-Oct-2002 | |
| 67 | ALER1520/US | Apparatus and Related Methods for High-Rate | 60/424,642 | | 07-Nov-2002 | |

| | | Description | Application/Issued No. | | Filing/Granted Date | |
|---|---|---|---|---|---|---|
| | | Communications | | | | |
| 68 | ALER1530/US | Apparatus and Related Methods for High-Data Rate Communications | 60/432,435 | | 11-Dec-2002 | |
| 69 | ALER1540/US | System and Method for Multi-Band UMB Radio Communications | 60/451,560 | | 03-Mar-2003 | |
| 70 | ALER1550/US | Time Domain Radio Transmission System | 08/480,448 | 5,812,081 | 07-Jun-1995 | 22-Sep-1998 |
| | ALER1560/EP | Method for Generating Communication Signal Sequences Having Desirable Correlation Properties | 03785030.2 | | 08-Aug-2003 | |
| | ALER1560/JP | Method for Generating Communication Signal Sequences Having Desirable Correlation Properties | 2005-506600 | | 08-Aug-2003 | |
| | ALER1560/PCT | Method for Generating Communication Signal Sequences Having Desirable Correlation Properties | PCT/US03/24 816 | | 08-Aug-2003 | |
| 71 | ALER1560 | Method for Generating Communication Signal Sequences Having Desirable Correlation Properties | 60/402,819 | | 12-Aug-2002 | |
| | ALER1560-2 | Method for Generating Communication Signal Sequences Having Desirable Correlation Properties | | | | |
| 72 | ALER1560-1 | Method for Generating Communication Signal Sequences Having Desirable Correlation Properties | 10/616,118 | | 09-Jul-2003 | |
| | ALER1570/US | Timing Recovery | | | | |
| | ALER1580/US | Multiband Transceiver Architecture | | | | |
| | ALER1590/US | Time-Frequency Coding | | | | |
| | ALER1600/US | Intersymbol Distance with Bit Strength Assessment | | | | |
| | ALER1610/US | Variable Gain Amplifier | | | | |
| | ALER1620/US | Trapezoidal Envelope | | | | |
| | ALER1630/US | System and Method of Interference Rejections in Impulse Radios | | | | |
| | ALER1640/US | Interference Cancellation with Data | | | | |
| 73 | ALER1650 | System and Method for Pulse Shape Filtering | 60/606,479 | | 01-Sep-2004 | |
| 74 | ALER1650-1 | Method and System for | 11/218,335 | 7,184,938 | 01-Sep-2005 | 27-Feb-2007 |

| | | Description | Application/Issued No. | Filing/Granted Date |
|---|---|---|---|---|
| | | Statistical Filters and Design of Statistical Filters | | |
| 75 | ALER1650-2 | Method and System for Statistical Filters and Design of Statistical Filters | 11/653,195 | 12-Jan-2007 |
| 76 | ALER1660 | Directional Antenna | 60/634,031 | 07-Dec-2004 |
| 77 | ALER1670 | Omnidirectional UWB Dipole Antenna with Built-In Notch Filters | 60/695,645 | 30-Jun-2005 |
| 78 | ALER1670-1 | Method, System and Apparatus for an Antenna | 11/480,233 | 30-Jun-2006 |
| | CONT1670-2 | Method, System and Apparatus for an Antenna | | |
| | ALER1680 | System and Method for Low Power Viterbi Decoder | | |
| | ALER1690 | System and Method for Selectable Trace Back Length for Viterbi Decoder | | |
| 79 | ALER1700 | Method, System and Apparatus for an Antenna | 60/754,741 | 29-Dec-2005 |
| 80 | ALER1710 | Method and System for Windowing | 60/758,770 | 13-Jan-2006 |
| 81 | ALER1710-1 | Method and System for Windowing | 11/652,935 | 12-Jan-2007 |
| 82 | ALER1720 | Method and System for Adjacent Frequency Coding | 60/759,192 | 13-Jan-2006 |
| 83 | ALER1720-1 | Method and System for Sidelobe Reduction Using Antipodal Signaling | 11/652,934 | 12-Jan-2007 |
| 84 | ALER1730 | Method and System for Increasing the Data Rate of a Radio | 60/763,935 | 31-Jan-2006 |
| 85 | ALER1740 | System and Method for Expanding UWB Host Functionality | 60/756,940 | 04-Jan-2006 |
| 86 | ALER1750 | Method and System for Reduction of DC Offset | 60/785,880 | 24-Mar-2006 |
| 87 | ALER1760 | System and Method for Local Oscillator | 60/785,950 | 24-Mar-2006 |
| 88 | ALER1770 | Method and System for Cognitive Radio | 60/782,646 | 15-Mar-2006 |
| 89 | ALER1770-1 | Method and System for Cognitive Radio | 11/717,826 | 14-Mar-2007 |
| | ALER1220/PCT, ALER1220/WO | Ultra-Wideband High Data-Rate Communication Apparatus and Associated Method | US03/22815 | 22-Jul-2003 |
| | ALER1221-WO, ALER1221/PCT | Ultra-Wideband High-Data-Rate Communications | PCT/US03/025809 | 07-Aug-2003 |

| | Description | Application/Issued No. | | Filing/Granted Date | |
|---|---|---|---|---|---|
| ALER1230/EP | Transmitting and Receiving Spread Spectrum Signals Using Continuous Waveforms in an Harmoic Relationship | 03785260.5 | | 12-Aug-2003 | |
| ALER1230/JP | Transmitting and Receiving Spread Spectrum Signals Using Continuous Waveforms in an Harmoic Relationship | 2005-506616 | | 12-Aug-2003 | |
| ALER1230/PCT, ALER1230/WO | Transmitting and Receiving Spread Spectrum Signals Using Continuous Waveforms in an Harmoic Relationship | US03/025355 | | 12-Aug-2003 | |
| ALER1240/EP | Methods and Sets of Piconets Using Time Frequency Division Multiple Access | | | 17-Oct-2003 | |
| ALER1240/JP | Methods and Sets of Piconets Using Time Frequency Division Multiple Access | | | 17-Oct-2003 | |
| ALER1240/PCT | Methods and Sets of Piconets Using Time Frequency Division Multiple Access | US03/033125 | | 17-Oct-2003 | |
| ALER1250/EP | Methods and Apparatuses for Reducing Interference Using Frequency Division Multiple Access | | | 17-Oct-2003 | |
| ALER1250/JP | Methods and Apparatuses for Reducing Interference Using Frequency Division Multiple Access | | | 17-Oct-2003 | |
| ALER1250/PCT, ALER1250/WO | Methods and Apparatuses for Reducing Interference Using Frequency Division Multiple Access | PCT/US03/03 3069 | | 17-Oct-2003 | |
| ALER1290/EP | Method and System for Fast Acquisition of Ultra-Wideband Signals | 01924449.0 | | 29-Mar-2001 | |
| ALER1290/JP | System for Fast Lock and Acquisition of Ultra-Wideband Signals | 2001-571354 | | 29-Mar-2001 | |
| ALER1310/PCT | Impulse Radio Interactive Wireless Gaming System and Method | US01/18790 | | 11-Jun-2001 | |
| ALER1341/EP | System and Method for Monitoring Assets, Objects, People and Animals Utilizing Impulse Radio | 99967138.1 | | 09-Dec-1999 | |
| ALER1360/EP/3 | Fast Locking Mechanism for Channelized Ultrawide-Band Communications | 96921436.0 | 0830755 | 07-Jun-1996 | 30-Aug-2000 |

| | Description | Application/Issued No. | | Filing/Granted Date | |
|---|---|---|---|---|---|
| ALER1363/DE | Full Duplex Ultrawide-Bank Communication System and Method | 19966010091 | 69610091 | 07-Jun-1996 | 30-Aug-2000 |
| ALER1363/GB | Full Duplex Ultrawide-Bank Communication System and Method | 96921436.0 | 0830755 | 07-Jun-1996 | 30-Aug-2000 |
| ALER1363/SE | Full Duplex Ultrawide-Bank Communication System and Method | 96921436 | 0830755 | 07-Jun-1996 | 30-Aug-2000 |
| ALER1370/PCT | Impulse Radio Virtual Wireless Local Area Network System and Method | US01/03542 | | 05-Feb-2001 | |
| ALER1370/EP | Virtual Wireless Local Area Network Using Impulse Radio | 01905400.6 | | 05-Feb-2001 | |
| ALER1390/CA | Precision Timing Generator System and Method | 2,342,883 | | 03-Sep-1999 | |
| ALER1390/EP | Precision Timing Generator System and Method | 99945417.6 | | 03-Sep-1999 | |
| ALER1390/AU | Precision Timing Generator System and Method | 58018/99 | | 03-Sep-1999 | |
| ALER1390/JP | Precision Timing Generator System and Method | 2000-569536 | | 03-Sep-1999 | |
| ALER1390/KR | Precision Timing Generator System and Method | 2001-7002792 | | 03-Sep-1999 | |
| ALER1390/NO | Precision Timing Generator System and Method | 20011084 | | 03-Sep-1999 | |
| ALER1392/PCT | Precision Timing Generator System and Method | US02/22719 | | 18-Jul-2002 | |
| ALER1400/EP | System and Method of Using Multiple Correlator Receiver in an Impulse Radio System | 01920855.2 | | 29-Mar-2001 | |
| ALER1400/JP | System and Method of Using Multiple Correlator Receiver in an Impulse Radio System | 2001-573649 | | 29-Mar-2001 | |
| ALER1410/EP | Baseband Signal Converter for a Wideband Impulse Radio Receiver | 00947208.5 | | 11-Jul-2000 | |
| ALER1420/EP | Mobile Communications System and Method Utilizing Impulse Radio | 00991879.8 | 1232572 | 25-Oct-2000 | 20-Apr-2005 |
| ALER1420/DE | Mobile Communications System and Method Utilizing Impulse Radio | 00991879.8 | 60019634.8 | 25-Oct-2000 | 20-Apr-2005 |
| ALER1420/GB | Mobile Communications System and Method Utilizing Impulse Radio | 00991879.8 | 1232572 | 25-Oct-2000 | 20-Apr-2005 |
| ALER1430/AU | Full Duplex Ultrawide-Band Communication System and Method | 56739/96 | 712518 | 26-Apr-1996 | 11-Nov-1999 |

| | Description | Application/Issued No. | | Filing/Granted Date | |
|---|---|---|---|---|---|
| ALER1431/AU | Full Duplex Ultrawide-Band Communication System and Method | 15293/00 | 761539 | 26-Apr-1996 | 25-Sep-2003 |
| ALER1430/CA | Full Duplex Ultrawide-Band Communication System and Method | 2,219,485 | | 26-Apr-1996 | |
| ALER1430/EP | Full Duplex Ultrawide-Band Communication System and Method | 96913919.5 | | 26-Apr-1996 | |
| ALER1430/JP | Full Duplex Ultrawide-Band Communication System and Method | 532,809/1996 | | 26-Apr-1996 | |
| ALER1430/MX | Full Duplex Ultrawide-Band Communication System and Method | 978255 | | 25-Apr-1996 | |
| ALER1430/SG | Full Duplex Ultrawide-Band Communication System and Method | 9705123-9 | 46812 | 26-Apr-1996 | 21-Mar-2002 |
| ALER1430/KR | Full Duplex Ultrawide-Band Communication System and Method | 1997-0707618 | 0402912 | 26-Apr-1996 | 10-Oct-2003 |
| ALER1440/EP | Apparatus, System and Method for Flip Modulation in an Impulse Radio Communications System | 01924401.1 | | 28-Mar-2001 | |

EXHIBIT C

Trademarks

| | | | | | | |
|---|---|---|---|---|---|---|
| China (Peoples Republic) | ALEREON | OAR Filed | 3902159 | 04-Feb-2004 | | |
| European Community | ALEREON | Registered | 3646171 | 03-Feb-2004 | 3646171 | 04-Jul-2005 |
| Hong Kong | ALEREON | Registered | 300152522 | 04-Feb-2004 | 300152522 | 10-Jun-2004 |
| India | ALEREON | Pending | 1265141 | 04-Feb-2004 | | |
| Japan | ALEREON | Registered | 2004-9153 | 04-Feb-2004 | 4830404 | 07-Jan-2005 |
| Korea, Republic of | ALEREON | Registered | 45-2004-303 | 30-Jan-2004 | 12713 | 02-Jun-2005 |
| Singapore | ALEREON | Registered | T0401265B | 04-Feb-2004 | T0401265B | 18-Jan-2005 |
| Singapore | ALEREON | Registered | T0401266J | 04-Feb-2004 | T0401266J | 22-Mar-2005 |
| Taiwan | ALEREON | Registered | 093003295 | 29-Jan-2004 | 1128425 | 16-Nov-2004 |
| United States of America | ALEREON MINIHOST | NOA Issued | 78/678513 | 26-Jul-2005 | | |
| United States of America | COGNIPHY | NOA Issued | 78/717821 | 21-Sep-2005 | | |
| United States of America | LIFE WITHOUT WIRES | Registered | 78/616427 | 25-Apr-2005 | 3164770 | 31-Oct-2006 |