

04-27-2007

Form PTO-1594 (Rev. 03/01) OMB No. 0651-0027 (exp. 5/31/2002) Tab settings



U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office

103400137

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

4.24.07

1. Name of conveying party(ies): MERU NETWORKS, INC. [] Individual(s) [] Association [] General Partnership [] Limited Partnership [x] Corporation-State [] Other Additional name(s) of conveying party(ies) attached? [] Yes [x] No

2. Name and address of receiving party(ies) Name: Venture Lending & Leasing IV, Inc. Internal Address: Street Address: 2010 North First Street City: San Jose State: CA Zip: 95131 [] Individual(s) citizenship [] Association [] General Partnership [] Limited Partnership [x] Corporation-State Maryland [] Other 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 [x] No

3. Nature of conveyance: [] Assignment [] Merger [x] Security Agreement [] Change of Name [] Other Execution Date: 9/1/06

4. Application number(s) or registration number(s): A. Trademark Application No.(s) 78/578,321 B. Trademark Registration No.(s) 3,063,250 Additional number(s) attached [] Yes [x] No

5. Name and address of party to whom correspondence concerning document should be mailed: Name: Russell D. Pollock, Esq. Internal Address: Street Address: Greene Radovsky Maloney & Share LLP Four Embarcadero Center, Suite 4000 City: San Francisco State: CA Zip: 94111

6. Total number of applications and registrations involved: 2 7. Total fee (37 CFR 3.41) \$ 65.00 [x] Enclosed [] Authorized to be charged to deposit account 8. Deposit account number:

DO NOT USE THIS SPACE

9. Signature. Jeffrey T. Klugman 4.20.07 Name of Person Signing Signature Date 40.00 OP 25.00 OP Total number of pages including cover sheet, attachments, and document: 10

04/26/2007 DBY:FC 01 FC:8521 02 FC:8522

Mail documents to be recorded with required cover sheet information to: Commissioner of Patent & Trademarks, Box Assignments Washington, D.C. 20231

OFFICE OF PUBLISHED RECORDS APR 24 PM 2:30 TRADEMARK SECTION

INTELLECTUAL PROPERTY SECURITY AGREEMENT

This Intellectual Property Security Agreement (this "Agreement") is made as of September 1, 2006, by and between MERU NETWORKS, INC., a Delaware corporation ("Grantor"), and VENTURE LENDING & LEASING IV, INC., a Maryland corporation ("Secured Party").

RECITALS

A. Pursuant to a Loan and Security Agreement dated as of September 29, 2005 (the "Loan Agreement") between Grantor, as borrower, and Secured Party, as lender, Secured Party has agreed to make certain advances of money and to extend certain financial accommodations to Grantor (the "Loans") in the amounts and manner set forth in the Loan Agreement. All capitalized terms used herein without definition shall have the meanings ascribed to them in the Loan Agreement.

B. Secured Party is willing to make or continue the Loans to Grantor, but only upon the condition, among others, that Grantor grant to Secured Party a security interest in substantially all of Grantor's personal property whether presently existing or hereafter acquired. To that end, Grantor has executed in favor of Secured Party the Loan Agreement granting a security interest in all Collateral, and is executing this Agreement with respect to certain items of Intellectual Property, in particular.

NOW, THEREFORE, THE PARTIES HERETO AGREE AS FOLLOWS:

I. 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 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 non-exclusive licenses granted by Grantor to its customers in the ordinary course of business;

(b) During the term of this Agreement, Grantor will not transfer or otherwise encumber any interest in the Collateral, except for non-exclusive licenses granted by Grantor in the ordinary course of business or as set forth in this Agreement;

(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, 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, including but not limited to any subsequent ownership right of the Grantor in or to any Trademark, Patent or Copyright not specified in this Agreement;

(c) Grantor shall use reasonable commercial efforts to (i) protect, defend and maintain the validity and enforceability of the Trademarks, Patents and Copyrights (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 without the written consent of Secured Party, which consent shall not be unreasonably withheld;

(f) Grantor shall apply for registration on an expedited basis (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; and

(g) Grantor shall not enter into any agreement that would materially impair or conflict with Grantor's obligations hereunder without Secured Party's prior written consent, which consent shall not be unreasonably withheld. Grantor shall not permit the inclusion in any material contract to which it becomes a party of any provisions that could or might in any way prevent the creation of a security interest in Grantor's rights and interests in any property included within the definition of the Collateral acquired under such contracts.

3. Further Assurances; Attorney in Fact.

(a) On a continuing basis, Grantor will 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 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) after the occurrence 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.

4. Events of Default. The occurrence of any of the following shall constitute an Event of Default under this Agreement:

(a) An Event of Default under the Loan Agreement; or

(b) Grantor breaches any warranty or agreement made by Grantor in this Agreement and, as to any breach that is capable of cure, Grantor fails to cure such breach within thirty (30) days of the sooner to occur

of Grantor's receipt of notice of such breach from Secured Party or the date on which such breach first becomes known to Grantor.

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.

[Signature Pages Follow]

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

GRANTOR:

Address of Grantor:

1309 South Mary Avenue
Sunnyvale, CA 94087-3029
Attn: _____

MERU NETWORKS, INC.

By: 

Name: IHAB ABU-HAKIMA

Its: PRESIDENT and CEO

SECURED PARTY:

Address of Secured Party:

2010 North First Street, Suite 310
San Jose, CA 95131
Attn: President

VENTURE LENDING & LEASING IV, INC.

By: 

Name: JAY COHEN

Its: VP

EXHIBIT A

Copyrights

Description

Registration Number

Registration Date

45596/0929
RDP/291880.3

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Meru Patent Status

- Total granted and pending patents: 35
 - Granted: 1
 - Utility application filed: 7
 - Provisional application filed: 27
 - In progress utility patent: 2
 - In progress provisional patents: 3

Patent Attorneys

US: Steven Swernofsky, Swernofsky Law Group, Los Altos, CA

India: Lakshmikumaran and Sridharan, New Delhi, India

Provisional Patent Applications

Title	Number
Use of Physical Carrier Sense to Generate Busy Tone on 802.11	60 / 597047
Method for Adapting Transmission Parameters in Wireless Network	60 / 597046
Method for Tracking Location of a User in a Wireless Network	60 / 597032
Method for Detecting Information about Operation of Devices in Secure or Obscure Eavesdrop-Capable Networks	60 / 597030
Method for Hiding Transmission and Endpoint Presence in Wireless and Wired Networks	60 / 597027
Method for Hiding Location of a User in Wireless and Wired Networks	60 / 597025
Synchronization of Remote Units for Maximizing Voice, Media, and Data Capacity in a Wireless Local Area Network	60 / 597005
Method for Virtual Private Networks Supporting Network Quality of Service	60 / 597004
Method for Coordinated Indoor Wireless Networking using Analog Backhaul	60 / 597002
Coordinated Radio Behavior to Optimize Wireless Network and Effect Smooth Handoff for Multi-layer Protocols	60 / 597001
Architecture and Mechanisms for Supporting Full Rate Concurrent Operation of IEEE 802.11B and IEEE 802.11G Wireless Local Area Networks	60 / 597000
Coordinated Multi-Cell Real-Time and Non-Real-Time Channel Access for Wireless Networking Standards	60 / 596970
Method for Channel Planning Wireless Networks	60 / 596973
Method for Construction of Multi-Band High Isolation Antenna	60 / 596972
Method for Providing Redundancy with Stateless Primary Servers	60 / 596971
A Framework for Load Balancing in Wireless Networks	60 / 597096
Framework and Methods for Achieving Seamless Handoff in Wireless Networks	60 / 597323
A Framework and Methods for Seamless Hand-offs between Access Points in a	60 / 597324

Wireless Network

Mechanisms for Channel-Aware and Protocol-Aware Contention Management in an IEEE 802.11 Network	60 / 597330
Method for Inserting Content Into Voice and Media Applications over Wireless and Wireless Networks	60 / 597325
Method for Constructing a Wireless Repeater	60 / 597366
Framework and Methods for detecting and Suppressing Rogue Devices in a Wireless Network	60 / 597365
Method for improving Battery life for Real Time Communication Devices in a Wireless Environment	60 / 597439
Multi user detection and interference suppression techniques for direct sequence spread spectrum systems in which all users employ same spreading code	60 / 597451
Method for Reduction in Load for Carrying Voice, Video, or Streaming Media Traffic over Packet Networks	60 / 597452
A Framework and Method for Channel Planning in a Wireless Network	
Method for Simultaneous Transmission and Reception to Solve the Hidden Node Problem in Wireless Networks	60 / 597962

Utility Patent Applications

Multi user detection and interference suppression techniques for direct sequence spread spectrum systems in which all users employ same spreading code	11 / 164868
Omni-Directional Antenna Supporting Simultaneous Transmission and Reception of Multiple Radios with Narrow Frequency Separation	275.1001.01
Seamless Mobility in Wireless Networks	275.1002.01
Method and System for Compressing Encrypted data	10/364254
Wireless Rate Adaptation	275.1004.02
Security in Wireless Communication Systems	275.1003.02
A Framework and Method for Constructing Guard Access Points in a Wireless Network	60 / 597458

Assigned Patents

Data Transmission Using Arithmetic Coding Based Continuous Error Detection	6,418,549
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Meru Networks, Inc.

Trademark Summary

As of December 18, 2006

U.S. Registered Trademark

Our File No.	Mark	Registration No. and Date	Description of Goods	Status
044095-0315179	MERU NETWORKS	3,063,250 2-28-06	Hardware and software for operating and managing wireless networks and communications systems (Class 9).	Renewal Declaration Due between 2-28-2011 and 2-28-2012.

U.S. Pending Trademark Application

Our File No.	Mark	Application No. and Filing Date	Description of Goods	Status
044095-0315180	VOIP UNPLUGGED	78/578,321 3-02-05	Hardware and software for operating and managing wireless networks and communications systems (Class 9).	Notice of Allowance issued 2-28-06; Statement of Use or second extension request due 2-28-07.