

**TRADEMARK ASSIGNMENT**

Electronic Version v1.1  
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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT		
<b>NATURE OF CONVEYANCE:</b>	SECURITY INTEREST		
<b>CONVEYING PARTY DATA</b>			
<b>Name</b>	<b>Formerly</b>	<b>Execution Date</b>	<b>Entity Type</b>
Taproot Systems, Inc.		07/28/2008	CORPORATION: DELAWARE
<b>RECEIVING PARTY DATA</b>			
<b>Name:</b>	Silicon Valley Bank		
<b>Street Address:</b>	3003 Tasman Dr.		
<b>Internal Address:</b>	HG 150		
<b>City:</b>	Santa Clara		
<b>State/Country:</b>	CALIFORNIA		
<b>Postal Code:</b>	95054		
<b>Entity Type:</b>	CORPORATION: CALIFORNIA		
<b>PROPERTY NUMBERS Total: 2</b>			
<b>Property Type</b>	<b>Number</b>	<b>Word Mark</b>	
<b>Serial Number:</b>	77367692	WALKINGHOTSPOT	
<b>Registration Number:</b>	3301351	TAPROOT SYSTEMS INC.	
<b>CORRESPONDENCE DATA</b>			
<b>Fax Number:</b>	(303)292-4510		
	<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>		
<b>Phone:</b>	3032927939		
<b>Email:</b>	trish.rogers@moyewhite.com		
<b>Correspondent Name:</b>	Patricia J. Rogers		
<b>Address Line 1:</b>	1400 16th St.		
<b>Address Line 2:</b>	Suite 600		
<b>Address Line 4:</b>	Denver, COLORADO 80202		
<b>ATTORNEY DOCKET NUMBER:</b>	9882.133		
<b>NAME OF SUBMITTER:</b>	Patricia J. Rogers		

CH \$65.00 77367692

Signature:	/patricia j. rogers/
Date:	07/28/2008
<b>Total Attachments: 11</b> source=Security Agreement (00106288)#page1.tif source=Security Agreement (00106288)#page2.tif source=Security Agreement (00106288)#page3.tif source=Security Agreement (00106288)#page4.tif source=Security Agreement (00106288)#page5.tif source=Security Agreement (00106288)#page6.tif source=Security Agreement (00106288)#page7.tif source=Security Agreement (00106288)#page8.tif source=Security Agreement (00106288)#page9.tif source=Security Agreement (00106288)#page10.tif source=Security Agreement (00106288)#page11.tif	

## INTELLECTUAL PROPERTY SECURITY AGREEMENT

**THIS INTELLECTUAL PROPERTY SECURITY AGREEMENT** (this "IP Agreement") is made as of the 28<sup>th</sup> day of July, 2008 by and between **TapRoot Systems, Inc.**, a Delaware corporation ("Grantor"), and **Silicon Valley Bank**, a California corporation ("Bank").

### RECITALS

**A.** Bank has agreed to make certain advances of money and to extend certain financial accommodation to Grantor (the "Loans") in the amounts and manner set forth in those certain Loan and Security Agreements of even date herewith (as the same may be amended, modified or supplemented from time to time, the "Loan Agreements"; capitalized terms used herein are used as defined in the Loan Agreements). Bank is willing to make the Loans to Grantor, but only upon the condition, among others, that Grantor shall grant to Bank a security interest in certain Copyrights, Trademarks, Patents, and Mask Works to secure the obligations of Grantor under the Loan Agreement.

**B.** Pursuant to the terms of the Loan Agreements, Grantor has granted to Bank a security interest in all of Grantor's right, title and interest, whether presently existing or hereafter acquired, in, to and under all of the Collateral.

**NOW, THEREFORE**, for good and valuable consideration, receipt of which is hereby acknowledged, and intending to be legally bound, as collateral security for the prompt and complete payment when due of its obligations under the Loan Agreements, Grantor hereby represents, warrants, covenants and agrees 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 Indebtedness, obligations and liabilities to Bank, Grantor hereby grants a security interest in all of Grantor's right, title and interest in, to and under its Intellectual Property Collateral (all of which shall collectively be called the "Intellectual Property Collateral"), including, without limitation, the following:

(a) Any and all copyright rights, copyright applications, copyright registrations and like protections in each work of authorship and any derivative work thereof, whether published or unpublished and whether or not the same also constitutes a trade secret, now or hereafter existing, created, acquired or held, including without limitation those copyrights filed with the Register of Copyrights set forth on Exhibit A attached hereto (collectively, the "Copyrights");

(b) Any and all trade secrets, and any and all intellectual property rights in computer software and computer software products now or hereafter existing, created, acquired or held;

(c) Any and all design rights which may be available to Grantor now or hereafter existing, created, acquired or held;

(d) All patents, patent applications and like protections including, without limitation, improvements, divisions, continuations, renewals, reissues, extensions and continuations-in-part of the same, including without limitation the patents and patent applications filed with the United States Patent and Trademark Office and set forth on Exhibit B attached hereto (collectively, the "Patents");

(e) Any trademark and service mark rights, whether registered or not, applications to register and registrations of the same and like protections, and the entire goodwill of the business of Grantor connected with and symbolized by such trademarks and service marks, including without

limitation those filed with the United States Patent and Trademark Office and set forth on Exhibit C attached hereto (collectively, the "Trademarks");

(f) All mask works or similar rights available for the protection of semiconductor chips, now owned or hereafter acquired, including, without limitation those filed with the Register of Copyrights and set forth on Exhibit D attached hereto (collectively, the "Mask Works");

(g) Any and all claims for damages by way of past, present and future infringements 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;

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

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

(j) 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.

2. Authorization and Request. Grantor authorizes and requests that the Register of Copyrights and the Commissioner of Patents and Trademarks record this IP Agreement.

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

(a) Unless otherwise noted, Grantor is the sole owner of the Intellectual Property Collateral, except for non-exclusive licenses granted by Grantor to its customers in the ordinary course of business.

(b) Performance of this IP Agreement does not conflict with or result in a breach of any other material agreement to which Grantor is bound, except to the extent that such agreements prohibit the assignment of the rights thereunder to a third party without the licensor's or other party's consent and this IP Agreement constitutes a security interest.

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

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

(e) Grantor shall promptly advise Bank of any material adverse change in the composition of the Intellectual Property Collateral, including but not limited to any subsequent ownership right of the Grantor in or to any Trademark, Patent, Copyright, or Mask Work specified in this IP Agreement.

(f) Grantor shall (i) protect, defend and maintain the validity and enforceability of any material Trademarks, Patents, Copyrights, and Mask Works; (ii) use its best efforts to detect infringements of the material Trademarks, Patents, Copyrights, and Mask Works and promptly advise

Bank in writing of material infringements detected; and (iii) not allow any material Trademarks, Patents, Copyrights, or Mask Works to be abandoned, forfeited or dedicated to the public without the written consent of Bank, which shall not be unreasonably withheld, unless Grantor determines that reasonable business practices suggest that abandonment is appropriate.

(g) Grantor shall, from time to time, execute and file such other instruments, and take such further actions as Bank may reasonably request from time to time to perfect or continue the perfection of Bank's interest in the Intellectual Property Collateral.

(h) This IP Agreement creates, and in the case of after acquired Intellectual Property Collateral, this IP Agreement will create at the time Grantor first has rights in such after acquired Intellectual Property Collateral, in favor of Bank a valid and perfected first priority security interest in the Intellectual Property Collateral in the United States securing the payment and performance of the obligations evidenced by the Loan Agreements upon making the filings referred to in clause (i) below.

(i) To its knowledge, except for, and upon, the filing of Uniform Commercial Code Financing Statements and the filing of this IP Agreement with the United States Patent and Trademark Office with respect to the Patents and Trademarks and the Register of Copyrights with respect to the Copyrights and Mask Works necessary to perfect the security interests created hereunder, and except as has been already made or obtained, no authorization, approval or other action by, and no notice to or filing with, any U.S. governmental authority or U.S. regulatory body is required either (i) for the grant by Grantor of the security interest granted hereby or for the execution, delivery or performance of this IP Agreement by Grantor in the U.S. or (ii) for the perfection in the United States or the exercise by Bank of its rights and remedies thereunder.

(j) All information heretofore, herein or hereafter supplied to Bank by or on behalf of Grantor with respect to the Intellectual Property Collateral is accurate and complete in all material respects.

(k) Grantor shall not enter into any agreement that would materially impair or conflict with Grantor's obligations hereunder without Bank'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 interest in any property included within the definition of the Intellectual Property Collateral acquired under such contracts, except that certain contracts may contain anti-assignment provisions that could in effect prohibit the creation of a security interest in such contracts.

(l) Upon any executive officer of Grantor obtaining actual knowledge thereof, Grantor will promptly notify Bank in writing of any event that materially adversely affects the value of any material Intellectual Property Collateral, the ability of Grantor to dispose of any material Intellectual Property Collateral or the rights and remedies of Bank in relation thereto, including the levy of any legal process against any of the Intellectual Property Collateral.

4. Bank's Rights. Bank shall have the right, but not the obligation, to take, at Grantor's sole expense, any actions that Grantor is required under this IP Agreement to take but which Grantor fails to take, after fifteen (15) days' notice to Grantor. Grantor shall reimburse and indemnify Bank for all reasonable costs and reasonable expenses incurred in the reasonable exercise of its rights under this Section 4.

5. Inspection Rights. Grantor hereby grants to Bank and its employees, representatives and agents the right to visit, during reasonable business hours upon prior reasonable written notice to Grantor, any of Grantor's plants and facilities that manufacture, install or store products (or that have done so during the prior

six-month period) that are sold utilizing any of the Intellectual Property Collateral, and to inspect the products and quality control records relating thereto upon reasonable prior written notice to Grantor and as often as may be reasonably requested, but not more than one (1) time in every six (6) months; provided, however, nothing herein shall entitle Bank access to Grantor's trade secrets and other proprietary information.

6. Further Assurances; Attorney in Fact.

(a) On a reasonable continuing basis, Grantor will, subject to any prior licenses, encumbrances and restrictions and prospective licenses, 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 Bank, to perfect Bank's security interest in all Copyrights, Patents, Trademarks, and Mask Works and otherwise to carry out the intent and purposes of this IP Agreement, or for assuring and confirming to Bank the grant or perfection of a security interest in all Intellectual Property Collateral.

(b) Grantor hereby irrevocably appoints Bank as Grantor's attorney-in-fact, with full authority in the place and stead of Grantor and in the name of Grantor, Bank or otherwise, from time to time in Bank's discretion, upon Grantor's failure or inability to do so, to take any action and to execute any instrument which Bank may deem necessary or advisable to accomplish the purposes of this IP Agreement, including:

(i) To modify, in its sole discretion, this IP Agreement without first obtaining Grantor's approval of or signature to such modification by amending Exhibit A, Exhibit B, Exhibit C, and Exhibit D hereof, as appropriate, to include reference to any right, title or interest in any Copyrights, Patents, Trademarks or Mask Works acquired by Grantor after the execution hereof or to delete any reference to any right, title or interest in any Copyrights, Patents, Trademarks, or Mask Works in which Grantor no longer has or claims any right, title or interest; and

(ii) To file, in its sole discretion, one or more financing or continuation statements and amendments thereto, relative to any of the Intellectual Property Collateral without the signature of Grantor where permitted by law.

7. Events of Default. The occurrence and continuance of any of the following shall constitute an Event of Default under this IP Agreement:

(a) An Event of Default occurs and continues under the Loan Agreements or any other Loan Documents; or

(b) Grantor breaches any warranty or agreement made by Grantor in this IP Agreement.

8. Remedies. Upon the occurrence and continuance of an Event of Default, Bank shall have the right to exercise all the remedies of a secured party under the North Carolina Uniform Commercial Code, including without limitation the right to require Grantor to assemble the Intellectual Property Collateral and any tangible property in which Bank has a security interest and to make it available to Bank at a place designated by Bank. Bank shall have a nonexclusive, royalty free license to use the Copyrights, Patents, Trademarks, and Mask Works to the extent reasonably necessary to permit Bank to exercise its rights and remedies upon the occurrence and continuance of an Event of Default. Grantor will pay any expenses (including reasonable attorney's fees) incurred by Bank in connection with the exercise of any of Bank's rights hereunder, including

without limitation any expense incurred in disposing of the Intellectual Property Collateral. All of Bank's rights and remedies with respect to the Intellectual Property Collateral shall be cumulative.

9. Indemnity. Grantor agrees to defend, indemnify and hold harmless Bank and its officers, employees, and agents against: (a) all obligations, demands, claims, and liabilities claimed or asserted by any other party in connection with the transactions contemplated by this IP Agreement, and (b) all losses or expenses in any way suffered, incurred, or paid by Bank as a result of or in any way arising out of, following or consequential to transactions between Bank and Grantor, whether under this IP Agreement or otherwise (including without limitation, reasonable attorneys' fees and reasonable expenses), except for losses arising from or out of Bank's gross negligence or willful misconduct.

10. Reassignment. At such time as Grantor shall completely satisfy all of the obligations secured hereunder, Bank shall execute and deliver to Grantor all deed, assignments, and other instruments as may be necessary or proper to reinvest in Grantor full title to the property assigned hereunder, subject to any disposition thereof which may have been made by Bank pursuant hereto.

11. Course of Dealing. No course of dealing, nor any failure to exercise, nor any delay in exercising any right, power or privilege hereunder shall operate as a waiver thereof.

12. Attorneys' Fees. If any action relating to this IP Agreement is brought by either party hereto against the other party, the prevailing party shall be entitled to recover reasonable attorneys' fees, costs and disbursements.

13. Amendments. Except as otherwise provided herein, this IP Agreement may be amended only by a written instrument signed by both parties hereto.

14. Counterparts. This IP 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.

15. Law and Jurisdiction. This IP Agreement shall be governed by and construed in accordance with the laws of the State of North Carolina, without regard for choice of law provisions. Grantor and Bank consent to the nonexclusive jurisdiction of any state or federal courts located in Wake County, North Carolina.

16. Confidentiality. In handling any confidential information, Bank shall exercise the same degree of care, but no less than a reasonable degree of care, that it exercises with respect to its own proprietary information of the same types to maintain the confidentiality of any non-public information thereby received or received pursuant to this IP Agreement except that the disclosure of this information may be made (i) to the affiliates of the Bank, (ii) to prospective transferees or purchasers of an interest in the obligations secured hereby, provided that they have entered into comparable confidentiality agreements in favor of Grantor and have delivered a copy to Grantor, (iii) as required by law, regulation, rule or order, subpoena, judicial order or similar order and (iv) as may be required in connection with the examination, audit or similar investigation of Bank.

*[Signature page follows.]*

IN WITNESS WHEREOF, the parties hereto have caused this IP Agreement to be duly executed and delivered as of the date first written above.

**Address of Grantor:**

3000 Aerial Center Parkway, Suite 103  
Morrisville, NC 27560

**GRANTOR:**

**TAPROOT SYSTEMS, INC.**

By: 

Print Name: ROBERT C. BICKLER

Title: PRES & CEO

**BANK**

**SILICON VALLEY BANK**

By: \_\_\_\_\_

Print Name: \_\_\_\_\_

Title: \_\_\_\_\_



IN WITNESS WHEREOF, the parties hereto have caused this IP Agreement to be duly executed and delivered as of the date first written above.

**Address of Grantor:**

3000 Aerial Center Parkway, Suite 103  
Morrisville, NC 27560

**GRANTOR:**

**TAPROOT SYSTEMS, INC.**

By: \_\_\_\_\_  
Print Name: \_\_\_\_\_  
Title: \_\_\_\_\_

**BANK**

**SILICON VALLEY BANK**

By: Elisa Sun  
Print Name: Elisa Sun  
Title: VP

**EXHIBIT "A"**

**COPYRIGHTS**

<b>Description</b>	<b>Registration/ Application Number</b>	<b>Registration/ Application Date</b>
None.		

**EXHIBIT "B"**

**PATENTS**

<b>Title Description</b>	<b>Inventor Names(s)</b>	<b>Registration/ Application Number</b>	<b>Registration/ Application Date</b>
Service Layer Abstraction Architecture for Wireless Mobile Devices	Hugh W. Thomas Frank A. Smoak Keith Collins (Assignee – TapRoot Systems, Inc.)	Ser. No. 11/801,911	10 May 2007
Point of Presence on a Mobile Network	Hugh W. Thomas Steven E. Cistulli Michael John Linstrom Antti Juhani Raina Jun Xu Frank Andrew Smoak Kevin Martin Asbury William Heinze III Darrin Jesse Bates (Assignee – TapRoot Systems, Inc.)	Ser. No. 10/881,296	22 January 2008
Point of Presence on a Mobile Network	Hugh W. Thomas Steven E. Cistulli Michael John Linstrom Antti Juhani Raina Jun Xu Frank Andrew Smoak Kevin Martin Asbury William Heinze III Darrin Jesse Bates (Assignee/Applicant – TapRoot Systems, Inc.)	Ser. No. PCT/US2008/000870	22 January 2008

**EXHIBIT "C"**

**TRADEMARKS**

<b>Title Description</b>	<b>Registration/ Application Number</b>	<b>Registration/ Application Date</b>
TAPROOT SYSTEMS INC. & Design	Reg. No. 3,301,351	02 October 2007
WALKINGHOTSPOT	Ser. No. 77/367,692	09 January 2008

**EXHIBIT "D"**

**MASK WORKS**

<b>Description</b>	<b>Registration/ Application Number</b>	<b>Registration/ Application Date</b>
None.		