

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT2912265

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>SEQUENCE:</b>	2	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	GLASSBOARD LLC	05/09/2013
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	QED RESEARCH, INC.	
<b>Street Address:</b>	185 SKY TOP TERRACE	
<b>City:</b>	FAIRFIELD	
<b>State/Country:</b>	CONNECTICUT	
<b>Postal Code:</b>	06825	
<b>PROPERTY NUMBERS Total: 1</b>		
	<b>Property Type</b>	<b>Number</b>
	Application Number:	14212222
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>	(949)852-0004	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>		
<b>Phone:</b>	949.852.0000	
<b>Email:</b>	pair@kppb.com	
<b>Correspondent Name:</b>	KPPB LLP	
<b>Address Line 1:</b>	2400 E. KATELLA	
<b>Address Line 2:</b>	SUITE 1050	
<b>Address Line 4:</b>	ANAHEIM, CALIFORNIA 92802	
<b>ATTORNEY DOCKET NUMBER:</b>	S31-03388	
<b>NAME OF SUBMITTER:</b>	TRUDI THOMPSON	
<b>SIGNATURE:</b>	/tt/	
<b>DATE SIGNED:</b>	06/24/2014	
<b>Total Attachments: 12</b>		
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RECORDATION FORM COVER SHEET  
**PATENTS ONLY**

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

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

Glassboard LLC

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

Name: QED Research, Inc.

Internal Address: \_\_\_\_\_

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

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

Execution Date(s) 5/9/13, 3/17/14, 3/18/14

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Joint Research Agreement

☐ Government Interest Assignment

☐ Executive Order 9424, Confirmatory License

☒ Other Confirmation of Assignment

Street Address: 185 Sky Top Terrace

City: Fairfield

State: CT

Country: US Zip: 06825

Additional name(s) & address(es) attached? ☐ Yes ☒ No

**4. Application or patent number(s):**

☐ This document serves as an Oath/Declaration (37 CFR 1.63).

A. Patent Application No (s)

B. Patent No.(s)

14/212222

Additional numbers attached? ☐ Yes ☒ No

**5. Name and address to whom correspondence concerning document should be mailed:**

Name: KPPB LLP

Internal Address: Suite 1050

Street Address: 2400 E. Katella

City: Anaheim

State: CA Zip: 92806

Phone Number: 949.852.0000

Docket Number: S31-03388

Email Address: pair@kppb.com

**6. Total number of applications and patents involved:** 1

**7. Total fee (37 CFR 1.21(h) & 3.41) \$** \_\_\_\_\_

☐ Authorized to be charged to deposit account

☐ Enclosed

☐ None required (government interest not affecting title)

**8. Payment Information**

Deposit Account Number 50-4407

Authorized User Name \_\_\_\_\_

**9. Signature:** / Samuel P. Richey /

June 24, 2014

Signature

Date

Samuel P. Richey

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

12

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, V.A. 22313-1450

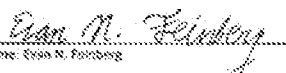
Appl. No.: 61/793,298  
 Filed: March 15, 2013  
 Title: METHOD OF RECOMMENDING NODES OF A NETWORK USING A  
 SELF-IMPROVING GRAPH DATA STRUCTURE  
 Applicant: QED Research, LLC  
 Docket No.: S31-03388

### CONFIRMATION OF ASSIGNMENT

We, Evan Feinberg and Julien Clancy, are the inventors of U.S. Provisional Patent Application No. 61/793,298 (the '298 Application), filed March 15, 2013. On May 9, 2013, we executed an assignment purporting to assign "the entire right, title and interest, for all countries and to certain invention relation to improvements [in the '298 Application]" to Glassboard LLC, a Connecticut corporation. On May 9, 2013, Evan Feinberg executed an assignment, in his capacity of Manager of Glassboard LLC and also in his capacity as Manager of QED Research, LLC, for "the entire right, title and interest, for all countries in and certain inventions relation to improvements in [the '298 Application]" from Glassboard LLC to QED Research, LLC.

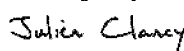
To the extent that the assignments executed on May 9, 2013, are not effective to convey the entire right, title, and interest for the United States and its territorial possessions and in all foreign countries in and to, any and all improvements which are disclosed in the '298 Application, and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, continuation-in-part, extension, conversion to 35 U.S.C. 111(a) or substitute thereof, any reissue, reexamination or extension of said Letters Patent and all rights under International Conventions for the Protection of Industrial Property, we hereby execute these assignments attached as Exhibit A and Exhibit B on the date(s) listed below to effectuate this intention.

03/17/2014  
 Dated: \_\_\_\_\_

  
 Name: Evan N. Feinberg

Evan Feinberg  
 Inventor of US Prov. Pat. Appl. No. 61/793,298

3/18/2014  
 Dated: \_\_\_\_\_

DocuSigned by:  
  
 30EC98E82C8048C...  
 Julien Clancy

Inventor of US Prov. Pat. Appl. No. 61/793,298

# Exhibit A

## ASSIGNMENT

WHEREAS, WE, Evan Feinberg and Julien Clancy, have made certain new and useful inventions and improvements for which U.S. Provisional Patent Application No. 61/793,298, entitled METHOD OF RECOMMENDING NODES OF A NETWORK USING A SELF-IMPROVING GRAPH DATA STRUCTURE, has been filed on March 15, 2013;

WHEREAS, Glassboard LLC, a corporation organized and existing under and by virtue of the laws of the State of Connecticut, and having an office and place of business at 185 Sky Top Terrace, Fairfield, CT 06825 (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefore;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted there from, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted there from; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

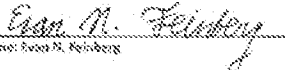
AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more

Docket No: S31-03388

effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore, we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me and that full right to convey the same as herein expressed is possessed by me.

IN WITNESS WHEREOF, I have hereunto set my hand this 17 day of March, 2014.

  
Name: Evan M. Feinberg

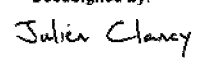
Evan Feinberg  
185 Sky Top Terrace  
Fairfield, CT 06825

WITNESS: \_\_\_\_\_

Print name \_\_\_\_\_

\*\*\*\*\*

IN WITNESS WHEREOF, I have hereunto set my hand this 18 day of March, 2014.

DocuSigned by:  
  
30EC98E82C8048C...  
Julie Clancy  
185 Sky Top Terrace  
Fairfield, CT 06825

WITNESS: \_\_\_\_\_

Print name \_\_\_\_\_

ASSIGNMENT AND AGREEMENT

FOR VALUE RECEIVED, We, **Julien CLANCY**, a citizen of the United States residing at 220 North Zapata Highway, Laredo, TX 78043, and **Evan FEINBERG**, a citizen of the United States residing at 185 Sky Top Terrace, Fairfield, CT 06825, hereby sell, assign and transfer to **GLASSBOARD LLC**, an organization duly organized and existing under the laws of Connecticut, and having a principal place of business at 185 Sky Top Terrace, Fairfield, CT 06825, as assignee, and its successors, assigns and legal representatives, the entire right, title and interest, for all countries in and to certain inventions relating to improvements in a *Method of Recommending Nodes of a Network Using a Self-Improving Graph Data Structure*, which is described in a provisional patent application for Letters Patent of the United States filed on **March 15, 2013**, now bearing U.S. Patent Application Serial No. **61/793,289**; and all the rights and privileges under any and all Letters Patent that may be granted therefor.

We request that any and all patents for said inventions in all countries be issued to said assignee, its successors, assigns and legal representatives, or to such nominees as it may designate.

We agree that, when requested, we will, without charge to said assignee but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for said inventions in any and all countries and for vesting title thereto in said assignee, its successors, assigns and legal representatives or nominees.

We authorize and empower the said assignee, its successors, assigns and legal representatives or nominees, to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by: (a) the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it; and (b) the Patent Cooperation Treaty, as amended, or by any treaty which may henceforth be substituted for it; and to invoke and claim such right of priority without further written or oral authorization from us.

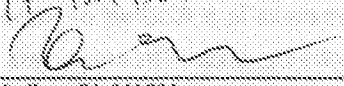
We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of the said assignee or nominee to claim the aforesaid benefit of the right of priority provided by: (a) the International Convention for the protection of Industrial Property, as amended, or by any

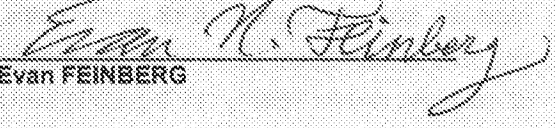


Attorney Docket No. 404-307.003

convention which may henceforth be substituted for it; and (b) the Patent Cooperation Treaty, as amended, or by any treaty which may henceforth be substituted for it.

We covenant with said assignee, its successors and assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and that we have full right to convey the same as herein expressed.

Signed at New Haven, CT, USA this 9  
(city/state/country) (day)  
day of May, 2013. @ 11:14 PM EST  
(month)  
  
Julien CLANCY

Signed at New Haven, CT this 9  
(city/state/country) (day)  
day of May, 2013. @ 11:14 PM EST  
(month)  
  
Evan FEINBERG

# Exhibit B

## **ASSIGNMENT**

WHEREAS, Glassboard LLC has been assigned the rights to U.S. Provisional Patent Application No. 61/793,298, entitled METHOD OF RECOMMENDING NODES OF A NETWORK USING A SELF-IMPROVING GRAPH DATA STRUCTURE, filed on March 15, 2013, by the inventors, Evan Feinberg and Julien Clancy, on May 9, 2013;

WHEREAS, QED Research, Inc., a corporation organized and existing under and by virtue of the laws of the State of Connecticut, and having an office and place of business at 185 Sky Top Terrace, Fairfield, CT, 06825 (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefore;

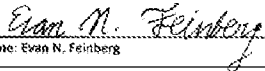
NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, Glassboard LLC has sold, assigned, and transferred, and by these presents does sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted there from, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted there from; and Glassboard LLC does hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

AND, for the consideration aforesaid, Glassboard LLC does hereby agree that Glassboard LLC and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may

be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore, Glassboard LLC covenants and agrees with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by Glassboard LLC and that full right to convey the same as herein expressed is possessed by Glassboard LLC.

IN WITNESS WHEREOF, I have hereunto set my hand this 17 day of March, 2014.

  
Name: Evan N. Feinberg

Evan Feinberg  
Manager, Glassboard LLC  
Manager, QED Research, LLC  
185 Sky Top Terrace  
Fairfield, CT, 06825

WITNESS: \_\_\_\_\_

Print name \_\_\_\_\_

ASSIGNMENT AND AGREEMENT

FOR VALUE RECEIVED, We, **Glassboard LLC**, an organization duly organized and existing under the laws of Connecticut, and having a principal place of business at 185 Sky Top Terrace, Fairfield, CT 06825, hereby sell, assign and transfer to **QED Research, LLC**, an organization duly organized and existing under the laws of Connecticut, and having a principal place of business at 185 Sky Top Terrace, Fairfield, CT 06825, as assignee, and its successors, assigns and legal representatives, the entire right, title and interest, for all countries in and to certain inventions relating to improvements in a *Method of Recommending Nodes of a Network Using a Self-Improving Graph Data Structure*, which is described in a provisional patent application for Letters Patent of the United States filed on **March 15, 2013**, now bearing U.S. Patent Application Serial No. 61/793,289; and all the rights and privileges under any and all Letters Patent that may be granted therefor.

We request that any and all patents for said inventions in all countries be issued to said assignee, its successors, assigns and legal representatives, or to such nominees as it may designate.

We agree that, when requested, we will, without charge to said assignee but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for said inventions in any and all countries and for vesting title thereto in said assignee, its successors, assigns and legal representatives or nominees.

We authorize and empower the said assignee, its successors, assigns and legal representatives or nominees, to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by: (a) the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it; and (b) the Patent Cooperation Treaty, as amended, or by any treaty which may henceforth be substituted for it; and to invoke and claim such right of priority without further written or oral authorization from us.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of the said assignee or nominee to claim the aforesaid benefit of the right of priority provided by: (a) the International Convention for the protection of Industrial Property, as amended, or by any

Attorney Docket No. 404-307.003

convention which may henceforth be substituted for it; and (b) the Patent Cooperation Treaty, as amended, or by any treaty which may henceforth be substituted for it.

We covenant with said assignee, its successors and assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and that we have full right to convey the same as herein expressed.

Signed at New Haven, CT this 9  
(city/state/country) (day)  
day of May, 2013. @ 11:54 PM  
(month)  
Evan N. Feinberg  
Evan Feinberg, Manager, Glassboard LLC

Signed at New Haven, CT this 9  
(city/state/country) (day)  
day of May, 2013. @ 11:54 PM  
(month)  
Evan N. Feinberg  
Evan Feinberg, Manager, QED Research, LLC