

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT7032906

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	SECURITY INTEREST
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
NETBASE SOLUTIONS, INC.	11/18/2021
QUID, LLC	11/18/2021
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	EAST WEST BANK, AS ADMINISTRATIVE AGENT
<b>Street Address:</b>	135 N. LOS ROBLES AVE., 7TH FLOOR
<b>City:</b>	PASADENA
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	91101
<b>PROPERTY NUMBERS Total: 38</b>	
<b>Property Type</b>	<b>Number</b>
Patent Number:	10380203
Patent Number:	10872082
Patent Number:	10929605
Patent Number:	8046348
Patent Number:	8055608
Patent Number:	8935152
Patent Number:	8949263
Patent Number:	9026529
Patent Number:	9047285
Patent Number:	9063970
Patent Number:	9075799
Patent Number:	9135243
Patent Number:	9390525
Patent Number:	10643355
Patent Number:	10838953
Patent Number:	10847144
Patent Number:	10896163
Patent Number:	11055295
Patent Number:	9934285

PATENT

Property Type	Number
Patent Number:	10255272
Patent Number:	10552468
Patent Number:	10678823
Patent Number:	10769381
Patent Number:	10824813
Patent Number:	8554709
Patent Number:	9436760
Patent Number:	9552412
Patent Number:	9558265
Patent Number:	9645999
Patent Number:	9710544
Patent Number:	9715495
Patent Number:	9740368
Patent Number:	9767165
Patent Number:	9787705
Patent Number:	9836183
Patent Number:	9911211
Patent Number:	9990417
Patent Number:	D842309

#### CORRESPONDENCE DATA

**Fax Number:** (312)863-7867

*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.*

**Phone:** 3128637267

**Email:** jaclyn.di.grande@goldbergkohn.com

**Correspondent Name:** JACLYN DI GRANDE - PARALEGAL

**Address Line 1:** GOLDBERG KOHN LTD.

**Address Line 2:** 55 E MONROE ST., STE 3300

**Address Line 4:** CHICAGO, ILLINOIS 60603

<b>ATTORNEY DOCKET NUMBER:</b>	7562.009
<b>NAME OF SUBMITTER:</b>	JACLYN DI GRANDE
<b>SIGNATURE:</b>	/jaclyn di grande/
<b>DATE SIGNED:</b>	11/18/2021

#### Total Attachments: 7

source=Quid Patent Security Agreement#page1.tif

source=Quid Patent Security Agreement#page2.tif

source=Quid Patent Security Agreement#page3.tif

source=Quid Patent Security Agreement#page4.tif

source=Quid Patent Security Agreement#page5.tif

source=Quid Patent Security Agreement#page6.tif

source=Quid Patent Security Agreement#page7.tif

## PATENT SECURITY AGREEMENT

THIS PATENT SECURITY AGREEMENT, dated as of November 18, 2021 (this "Patent Security Agreement"), is made by NETBASE SOLUTIONS, INC., a Delaware corporation and QUID, LLC, a Delaware limited liability company (each a "Grantor" and collectively, the "Grantors"), in favor of EAST WEST BANK, as the Administrative Agent (as defined in the Pledge and Security Agreement referred to below).

### WITNESSETH:

WHEREAS, pursuant to that certain Credit Agreement of even date herewith (as the same may be amended, restated, supplemented or otherwise modified from time to time, the "Credit Agreement") among NetBase Solutions, Inc., a Delaware corporation (the "Borrower"), certain affiliates of the Borrower from time to time party thereto, the Administrative Agent and the lenders party thereto from time to time as "Lenders", the Administrative Agent and the Lenders have agreed to make extensions of credit to the Borrower upon the terms and subject to the conditions set forth herein;

WHEREAS, the Administrative Agent and the Lenders are willing to make such extensions of credit to the Borrower as provided for in the Credit Agreement, but only upon the condition, among others, that Grantors shall have executed and delivered to the Administrative Agent, for the ratable benefit of the Secured Parties, that certain Pledge and Security Agreement of even date herewith (as the same may be amended, restated, supplemented or otherwise modified from time to time, the "Pledge and Security Agreement") among Grantors, the other affiliates of Grantors from time to time party thereto, and the Administrative Agent;

WHEREAS, pursuant to the Pledge and Security Agreement, each Grantor is required to execute and deliver to the Administrative Agent, for itself and the ratable benefit of the Secured Parties, this Patent Security Agreement;

NOW, THEREFORE, in consideration of the premises and to induce the Administrative Agent and the Lenders to enter into the Credit Agreement, each Grantor hereby agrees with the Administrative Agent as follows:

Section 1. Defined Terms. Capitalized terms used herein without definition are used as defined in the Pledge and Security Agreement.

Section 2. Grant of Security Interest in Patent Collateral. Each Grantor, as collateral security for the prompt and complete payment and performance when due (whether at stated maturity, by acceleration or otherwise) of the Obligations, hereby mortgages, pledges and hypothecates to the Administrative Agent, and grants to the Administrative Agent, for the ratable benefit of the Secured Parties, a Lien on and security interest in, all of its right, title and interest in, to and under the following Collateral of Grantor (collectively, the "Patent Collateral"):

- a. all of its Patents and all Intellectual Property licenses providing for the grant by or to such Grantor of any right under any Patent, including, without limitation, those referred to on Schedule 1 hereto;

b. all divisionals, continuations, continuations-in-part, reissues, reexaminations, or extensions of the foregoing; and

c. all income, royalties, damages, proceeds and payments at any time due or payable or asserted under and with respect to any of the foregoing, including, without limitation, all rights to sue and recover at law or in equity for any past, present and future infringement, misappropriation, dilution, violation or other impairment thereof.

Section 3. Pledge and Security Agreement. The security interest granted pursuant to this Patent Security Agreement is granted in conjunction with the security interest granted to the Administrative Agent pursuant to the Pledge and Security Agreement and each Grantor hereby acknowledges and agrees that the rights and remedies of the Administrative Agent with respect to the security interest in the Patent Collateral made and granted hereby are more fully set forth in the Pledge and Security Agreement, the terms and provisions of which are incorporated by reference herein as if fully set forth herein.

Section 4. Grantors Remain Liable. Grantors hereby agree that, anything herein to the contrary notwithstanding, Grantors shall assume full and complete responsibility for the prosecution, defense, enforcement or any other necessary or desirable actions in connection with its Patents and Intellectual Property licenses subject to a security interest hereunder.

Section 5. Authorization To Supplement. If any Grantor shall obtain rights to any new patent application or issued patent or become entitled to the benefit of any patent application or patent for any divisional, continuation, continuation-in-part, reissue, or reexamination of any existing patent or patent application, the provisions of this Patent Security Agreement shall automatically apply thereto. Each Grantor hereby authorizes the Administrative Agent unilaterally to modify this Patent Security Agreement by amending Schedule 1 to include any such new patent rights of such Grantor. Notwithstanding the foregoing, no failure to so modify this Patent Security Agreement or amend Schedule 1 shall in any way affect, invalidate or detract from the Administrative Agent's continuing security interest in all Collateral, whether or not listed on Schedule 1.

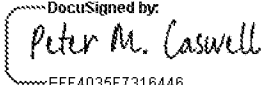
Section 6. Counterparts. This Patent Security Agreement may be executed in any number of counterparts and by different parties in separate counterparts, each of which when so executed shall be deemed to be an original and all of which taken together shall constitute one and the same agreement. Delivery of an executed counterpart of a signature page of this Patent Security Agreement by facsimile or in electronic (i.e., "pdf" or "tif") format shall be effective as delivery of a manually executed counterpart of this Patent Security Agreement.

Section 7. Governing Law. This Patent Security Agreement and the rights and obligations of the parties hereto shall be governed by, and construed and interpreted in accordance with, the law of the State of New York, without regard to conflict of laws principles other than Section 5-1401 and 5-1402 of the General Obligations Law of the State of New York.

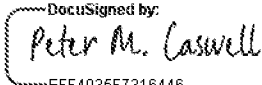
[SIGNATURE PAGES FOLLOW]

IN WITNESS WHEREOF, each Grantor has caused this Patent Security Agreement to be executed and delivered by its duly authorized officer as of the date first set forth above.

NETBASE SOLUTIONS, INC., as Grantor


By:  \_\_\_\_\_  
Name: Peter M. Caswell  
Title: Chief Executive Officer

QUID, LLC, as Grantor

By:  \_\_\_\_\_  
Name: Peter M. Caswell  
Title: Managing Director

ACCEPTED AND AGREED  
as of the date first above written:

EAST WEST BANK, as the Administrative Agent

By:   
Name: Eric Chico  
Title: First Vice President

**SCHEDULE 1  
TO  
PATENT SECURITY AGREEMENT**

Patents and Patent Applications

**Patents**

<b>TITLE</b>	<b>PATENT NUMBER</b>	<b>ISSUE DATE</b>	<b>OWNER INFORMATION</b>
Methods And Apparatus For Author Identification Of Search Results	10380203	8/13/19	NetBase Solutions, Inc.
Methods And Apparatuses For Clustered Storage Information	10872082	12/22/20	NetBase Solutions, Inc.
Methods And Apparatus For Sentiment Analysis	10929605	2/23/21	NetBase Solutions, Inc.
Method And Apparatus For Concept-Based Searching Of Natural Language Discourse	8046348	10/25/11	NetBase Solutions, Inc.
Method And Apparatus For Concept-Based Classification Of Natural Language Discourse	8055608	11/8/11	NetBase Solutions, Inc.
Method And Apparatus For Frame-Based Analysis Of Search Results	8935152	1/13/15	NetBase Solutions, Inc.
Method And Apparatus For Sentiment Analysis	8949263	2/3/15	NetBase Solutions, Inc.
Method And Apparatus For Determining Search Result Demographics	9026529	5/5/15	NetBase Solutions, Inc.
Method And Apparatus For Frame-Based Search	9047285	6/2/15	NetBase Solutions, Inc.
Method And Apparatus For Concept-Based Ranking Of Natural Language Discourse	9063970	6/23/15	NetBase Solutions, Inc.
Method And Apparatus For Query Formulation	9075799	7/7/15	NetBase Solutions, Inc.
Methods And Apparatus For Identification And Analysis Of Temporally Differing Corpora	9135243	9/15/15	NetBase Solutions, Inc.
Graphical Representation Of Frame Instances	9390525	7/12/16	NetBase Solutions, Inc.
Graphical Representation Of Frame Instances And Co-Occurrences	10643355	5/5/20	NetBase Solutions, Inc.
Method And Apparatus For Frame Based Search	10838953	11/17/20	NetBase Solutions, Inc.
Methods And Apparatus For Identification And Analysis Of Temporally Differing Corpora	10847144	11/24/20	NetBase Solutions, Inc.
Method And Apparatus For Query Formulation	10896163	1/19/21	NetBase Solutions, Inc.



<b>TITLE</b>	<b>PATENT NUMBER</b>	<b>ISSUE DATE</b>	<b>OWNER INFORMATION</b>
Method And Apparatus For Determining Search Result Demographics	11055295	7/6/21	NetBase Solutions, Inc.
Method And Apparatus For Concept-Based Classification Of Natural Language Discourse	9934285	4/3/18	NetBase Solutions, Inc.
Adjustment Of Document Relationship Graphs	10255272	4/9/19	Quid, LLC
Topic Predictions Based On Natural Language Processing Of Large Corpora	10552468	2/4/20	Quid, LLC
Facilitating Targeted Analysis Via Graph Generation Based On An Influencing Parameter	10678823	6/9/20	Quid, LLC
Topic-Influenced Document Relationship Graphs	10769381	9/8/20	Quid, LLC
Pivoting From A Graph Of Semantic Similarity Of Documents To A Derivative Graph Of Relationships Between Entities Mentioned In The Documents	10824813	11/3/20	Quid, LLC
Entity Performance Analysis Engines	8554709	10/8/13	Quid, LLC
Measuring Accuracy Of Semantic Graphs With Exogenous Datasets	9436760	9/6/16	Quid, LLC
Boolean-Query Composer	9552412	1/24/17	Quid, LLC
Facilitating Targeted Analysis Via Graph Generation Based On An Influencing Parameter	9558265	1/31/17	Quid, LLC
Adjustment Of Document Relationship Graphs	9645999	5/9/17	Quid, LLC
Pivoting From A Graph Of Semantic Similarity Of Documents To A Derivative Graph Of Relationships Between Entities Mentioned In The Documents	9710544	7/18/17	Quid, LLC
Topic-Influenced Document Relationship Graphs	9715495	7/25/17	Quid, LLC
Positioning Labels On Graphical Visualizations Of Graphs	9740368	8/22/17	Quid, LLC
Summarizing Collections Of Documents	9767165	9/19/17	Quid, LLC
Extracting Insightful Nodes From Graphs	9787705	10/10/17	Quid, LLC
Summarized Network Graph For Semantic Similarity Graphs Of Large Corpora	9836183	12/5/17	Quid, LLC
Lens-Based User-Interactive For Visualizations Of Graphs	9911211	3/6/18	Quid, LLC
Boolean-Query Composer	9990417	6/5/18	Quid, LLC

TITLE	PATENT NUMBER	ISSUE DATE	OWNER INFORMATION
Display Screen With Graphical User Interface For A Visualization Of A Graph Data Structure	D842309	3/5/19	Quid, LLC