PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT6997414

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY INTEREST

CONVEYING PARTY DATA

Name	Execution Date
INFORMATICA LLC	10/29/2021

RECEIVING PARTY DATA

Name:	JPMORGAN CHASE BANK, N.A.
Street Address:	383 MADISON AVENUE
City:	NEW YORK
State/Country:	NEW YORK
Postal Code:	10179

PROPERTY NUMBERS Total: 87

Property Type	Number
Patent Number:	6339775
Patent Number:	6820077
Patent Number:	6823373
Patent Number:	6850947
Patent Number:	6895471
Patent Number:	7117215
Patent Number:	7162643
Patent Number:	7243110
Patent Number:	7254590
Patent Number:	7496588
Patent Number:	7523121
Patent Number:	7584422
Patent Number:	7721270
Patent Number:	7720842
Patent Number:	7774791
Patent Number:	8065266
Patent Number:	8150803
Patent Number:	8166071
Patent Number:	8166048
Patent Number:	8200622

Property Type	Number
Patent Number:	8224873
Patent Number:	8271477
Patent Number:	8327419
Patent Number:	8386435
Patent Number:	8392460
Patent Number:	8433717
Patent Number:	8453159
Patent Number:	8458230
Patent Number:	RE44478
Patent Number:	8583680
Patent Number:	8707336
Patent Number:	8799229
Patent Number:	8826370
Patent Number:	8886617
Patent Number:	9218379
Patent Number:	9235496
Patent Number:	9262501
Patent Number:	9336256
Patent Number:	9418237
Patent Number:	9477729
Patent Number:	9672272
Patent Number:	9762603
Patent Number:	9779158
Patent Number:	9785795
Patent Number:	10257211
Patent Number:	10061816
Patent Number:	10135854
Patent Number:	10164945
Patent Number:	10235437
Patent Number:	10324947
Patent Number:	10360002
Patent Number:	10387195
Patent Number:	10467219
Patent Number:	10509798
Patent Number:	11132221
Patent Number:	11074231
Patent Number:	10552439
Patent Number:	10904155

Property Type	Number
Patent Number:	10977435
Patent Number:	10671631
Patent Number:	10970404
Patent Number:	10860651
Patent Number:	10735471
Patent Number:	10771347
Patent Number:	10958415
Patent Number:	11134096
Patent Number:	RE45806
Application Number:	14216194
Application Number:	14708146
Application Number:	15150296
Application Number:	15288023
Application Number:	15645843
Application Number:	15666065
Application Number:	15703426
Application Number:	15901255
Application Number:	16026452
Application Number:	16578719
Application Number:	16654603
Application Number:	16542899
Application Number:	16715414
Application Number:	17229416
Application Number:	17184365
Application Number:	17172987
Application Number:	17144721
Application Number:	17129070
Application Number:	16915062
Application Number:	16912413

CORRESPONDENCE DATA

Fax Number:

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:	2128598000
Email:	teas@friedfrank.com
Correspondent Name:	FORREST GROSSMAN C/O FRIED FRANK ET AL
Address Line 1:	ONE NEW YORK PLAZA
Address Line 4:	NEW YORK, NEW YORK 10004

ATTORNEY DOCKET NUMBER:	2764-23
NAME OF SUBMITTER:	FORREST GROSSMAN
SIGNATURE:	/Forrest Grossman/
DATE SIGNED:	10/29/2021

Total Attachments: 8
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PATENT SECURITY AGREEMENT

This Patent Security Agreement (this "Agreement"), dated as of October 29, 2021, is entered into by Informatica LLC (the "Grantor") in favor of JPMorgan Chase Bank, N.A., as collateral agent (together with its successors and assigns, in such capacity, the "Collateral Agent").

WHEREAS, Grantor and certain other parties have executed and delivered that certain U.S. Pledge and Security Agreement, dated on even date herewith, in favor of the Collateral Agent (the "Pledge and Security Agreement") pursuant to which Grantor and certain other parties have granted to Collateral Agent, for the ratable benefit of the Secured Parties, a security interest in all of the Grantor's and certain other parties' right, title, and interest in and to certain collateral including the Patent Collateral (as defined below);

NOW, THEREFORE, in consideration of the foregoing and for other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Grantor and the Collateral Agent hereby agree as follows:

SECTION 1. Defined Terms. Capitalized terms not otherwise defined herein have the meanings set forth in the Pledge and Security Agreement.

SECTION 2. Grant of Security Interest. Subject to the terms of the Pledge and Security Agreement, Grantor hereby grants to the Collateral Agent, for the ratable benefit of the Secured Parties, a security interest in and continuing lien on all of Grantor's right, title and interest in, to and under the following, in each case whether now owned or existing or hereafter acquired, developed, created or arising and wherever located (collectively, the "Patent Collateral"), as collateral security for the prompt and complete payment and performance when due of the Obligations of Grantor: all Patents owned by Grantor, including, without limitation, the Patents set forth on Schedule A attached hereto.

SECTION 3. Security Agreement. The security interest granted pursuant to this Agreement is granted in conjunction with the security interest granted to the Collateral Agent for the Secured Parties pursuant to the Pledge and Security Agreement, and Grantor hereby acknowledges and affirms that the rights and remedies of the Collateral 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. In the event that any provision of this Agreement is deemed to conflict with the Pledge and Security Agreement, the provisions of the Pledge and Security Agreement shall control.

SECTION 4. Recordation. Grantor authorizes and requests that the Commissioner of Patents and Trademarks and any other applicable government officer record this Agreement.

SECTION 5. Governing Law. This agreement and the rights and obligations of the parties hereunder and any claim or controversy relating hereto shall be governed by, and construed and interpreted in accordance with, the laws of the State of New York, without regard to its conflicts of laws principles.

SECTION 6. Counterparts. This Agreement may be executed in any number of 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.

[Signature page follows]

IN WITNESS WHEREOF, the undersigned has caused this Agreement to be duly executed and delivered as of the date first above written.

GRANTOR:

INFORMATICA LLC
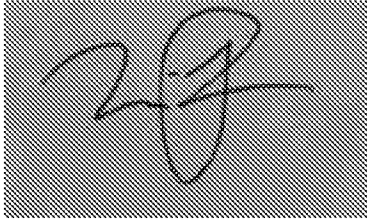
DocuSigned by:

Brad Lewis

By: _____
A95FB8DA1F5C45B...

Name: Bradford Lewis

Title: Senior Vice President, Chief Legal Officer and Secretary

[Signature Page to Patent Security Agreement]

JPMorgan Chase Bank, N.A., as Collateral Agent

By: Min Park

SCHEDULE A

PATENTS

PENDING UNITED STATES PATENTS

Title	Serial No.	Filing Date
Combining Script-Based and Visual Mapping of Hierarchical Data	14/216,194	3/17/2014
Composite Data Creation with Refinement Suggestions	14/708,146	5/8/2015
Interactive Recommendation of Data Sets for Data Analysis	15/150,296	5/9/2016
Method, Apparatus, and Computer-Readable Medium to Extract a Referentially Intact Subset from a Database	15/288,023	10/7/2016
Method, Apparatus, and Computer-Readable Medium for Determining a Data Domain of a Data Object	15/645,843	7/10/2017
Method, Apparatus, and Computer-Readable Medium for Determining a Data Domain Associated with Data	15/666065	8/1/2017
Method, Apparatus and Computer-Readable Medium for Determining Risk Associated with Anomalous Behavior of Use on a Computer Network	15/703,426	9/13/2017
METHOD, APPARATUS, AND COMPUTER-READABLE MEDIUM FOR MISSING DATA IDENTIFICATION	15/901,255	2/21/2018
METHOD, APPARATUS, AND COMPUTER-READABLE MEDIUM FOR DATA TRANSFORMATION PIPELINE OPTIMIZATION	16/026,452	7/3/2018
Method, Apparatus, and Computer-Readable Medium for Determining Customer Adoption based on Monitored Data	16/578,719	9/23/2019
Method, Apparatus, and Computer-Readable Medium for Data Asset Ranking	16/654,603	10/16/2019
Method, Apparatus, and Computer-Readable Medium for Format Preserving Encryption of a Numerical Value	16/542,899	11/11/2019
Systems, Apparatus, and Method for Data Integration Optimization	16/715,414	12/16/2019
Method, Apparatus, and Computer-Readable Medium for Postal Address Identification	17/229,416	4/13/2021
Method, Apparatus, and Computer-Readable Medium for Automated Construction of Data Masks	17/184,365	2/24/2021
METHOD, APPARATUS, AND COMPUTER-READABLE MEDIUM FOR SEARCHING POLYMORPHICALLY ENCRYPTED DATA	17/172,987	2/10/2021
Method, Apparatus, and Computer-Readable Medium for Extracting a Subset from a Database	17/144721	1/8/2021

Message Broker System with Parallel Persistence	17/129,070	12/21/2020
METHOD, APPARATUS, AND COMPUTER-READABLE MEDIUM FOR DYNAMIC HIERARCHICAL DATA FLOW MAPPING	16/915,062	6/29/2020
METHOD, APPARATUS, AND COMPUTER-READABLE MEDIUM FOR DATA PROTECTION SIMULATION AND OPTIMIZATION IN A COMPUTER NETWORK	16/912413	6/25/2020

ISSUED UNITED STATES PATENTS

Title	Patent No.	Issue Date
Apparatus and Method for Performing Data Transformations in Data Warehousing	6,339,775	1/15/2002
Method and System for Navigating a Large Amount of Data	6,820,077	11/16/2004
System and Method for Coupling Remote Data Stores and Mobile Devices via an Internet Based Server	6,823,373	11/23/2004
Method and Apparatus with Data Partitioning and Parallel Processing for Transporting Data for Data Warehousing Applications	6,850,947	2/1/2005
Method and Apparatus for Synchronizing Cache with Target Tables in a Data Warehousing System	6,895,471	5/17/2005
Method and Apparatus for Transporting Data for Data Warehousing Applications that Incorporates Analytic Data Interface	7,117,215	10/3/2006
Method and System for Providing Transfer of Analytic Application Data Over a Network	7,162,643	1/9/2007
Searchable Archive	7,243,110	7/10/2007
Set-Oriented Real-Time Data Processing Based on Transaction Boundaires	7,254,590	8/7/2007
Method and Apparatus for Data Integration and Management	7,496,588	2/24/2009
Relationship Data Management	7,523,121	4/21/2009
System and Method for Data Format Transformation	7,584,422	9/1/2009
Information Converter and a Method of Transforming Information	7,721,270	5/18/2010
Value-Chained Queries in Analytic Applications	7,720,842	5/18/2010
System, Method, and Computer Program Product for Data Event Processing and Composite Applications	7,774,791	8/10/2010
Relationship Data Management	8,065,266	11/22/2011

Relationship Data Management	8,150,803	4/3/2012
System and Method for Efficiently Securing Enterprise Data Resources	8,166,071	4/24/2012
Method and Apparatus for Data Integration and Management	8,166,048	4/24/2012
System and Method for Integrating, Managing and Coordinating Customer Activities	8,200,622	6/12/2012
System and Method for Flexible Security Access Management in an Enterprise	8,224,873	7/17/2012
Methods and Systems for Accessing Data	8,271,477	9/18/2012
System and Method for Efficiently Securing Enterprise Data Resources	8,327,419	12/4/2012
Searchable Archive	8,386,435	2/26/2013
Relationship Data Management	8,392,460	3/5/2013
System and Method for Efficiently Securing Enterprise Data Resources	8,433,717	4/30/2013
Workspace System and Method for Monitoring Information Events	8,453,159	5/28/2013
System and Method for Flexible Security Access Management in an Enterprise	8,458,230	6/4/2013
Method and System for Navigating a Large Amount of Data	RE44,478	9/3/2013
System and Method for Integrating, Managing and Coordinating Customer Activities	8,583,680	11/12/2013
Data Event Processing and Application Integration in a Network	8,707,336	4/22/2014
Searchable Archive	8,799,229	8/5/2014
System and Method for Data Masking	8,826,370	9/2/2014
Searchable Archive	8,886,617	11/11/2014
Method, Apparatus, and Computer-Readable Medium for Efficiently Performing Operations on Distinct Data Values	9,218,379	12/22/2015
Domain Centric Test Data Generation	9,235,496	1/12/2016
Method, Apparatus, and Computer-Readable Medium for Optimized Data Subsetting	9,262,501	2/16/2016
Method, Apparatus, and Computer-Readable Medium for Data Tokenization	9,336,256	5/10/2016
System and Method for Data Masking	9,418,237	8/16/2016

Domain Based Keyword Search	9,477,729	10/25/2016
Method, Apparatus, and Computer-Readable Medium for Efficiently Performing Operations on Distinct Data Values	9,672,272	6/6/2017
Assessment Type-Variable Enterprise Security Impact Analysis	9762603	9/12/2017
Method, Apparatus, and Computer-Readable Medium for Optimized Data Subsetting	9779158	10/3/2017
Identifying and Securing Sensitive Data at its Source	9785795	10/10/2017
Method, Apparatus, and Computer-Readable Medium for Detecting Anomalous User Behavior	10257211	4/9/2018
Metric Recommendations In An Event Log Analytics Environment	10061816	8/28/2018
Method, Apparatus, and Computer-Readable Medium for Generating a Data Proliferation Graph	10135854	11/20/2018
Method, Apparatus, and Computer-Readable Medium for Masking Data	10164945	12/25/2018
Table Based Data Set Extraction from Data Clusters	10235437	3/19/2019
Learning from Historical Logs and Recommending Database Operations on a Data-Asset in an ETL Tool	10,324,947	6/18/2019
Method, Apparatus, and Computer-Readable Medium for Generating an Alternative Implementation of a Program on One or More Engines	10,360,002	7/23/2019
Method, Apparatus, and Computer-Readable Medium for Performing a Data Exchange	10,387,195	8/20/2019
Exporting Subset of a Database	10,467,219	11/5/2019
Data Flow Design with Static and Dynamic Elements	10509798	12/17/2019
METHOD, APPARATUS, AND COMPUTER-READABLE MEDIUM FOR DYNAMIC BINDING OF TASKS IN A DATA EXCHANGE	11,132,221	09/28/2021
Validating modifications to mapping statements for processing hierarchical data structures	11,074,231	07/27/2021
Grid Format Data Viewing and Editing Environment	10,552,439	02/04/2020
Message Broker System with Parallel Persistence	10,904,155	01/26/2021
Method, Apparatus, and Computer-Readable Medium for Visualizing Relationships between Pairs of Columns	10,977,435	04/13/2021
Method, Apparatus, and Computer-Readable Medium for Non-Structured Data Profiling	10,671,631	06/02/2020
Method, Apparatus, and Computer-Readable Medium for Automated Construction of Data Masks	10,970,404	04/06/2021

METHOD, APPARATUS, AND COMPUTER-READABLE MEDIUM FOR GENERATION OF MISSING DATA	10,860,651	12/8/2020
METHOD, APPARATUS, AND COMPUTER-READABLE MEDIUM FOR DATA PROTECTION SIMULATION AND OPTIMIZATION IN A COMPUTER NETWORK	10,735,471	08/04/2020
METHOD, APPARATUS, AND COMPUTER-READABLE MEDIUM FOR DATA BREACH SIMULATION AND IMPACT ANALYSIS IN A COMPUTER NETWORK	10,771,347	09/08/2020
METHOD, APPARATUS, AND COMPUTER-READABLE MEDIUM FOR SEARCHING POLYMORPHICALLY ENCRYPTED DATA	10,958,415	03/23/2021
Method, Apparatus, and Computer-Readable Medium for Generating a Data Proliferation Graph	11,134,096	09/28/2021
SYSTEM AND METHOD FOR THE OPTIMIZATION OF DATABASE ACCESS IN DATA BASE NETWORKS	RE45806	11/17/2015