

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4922287

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY INTEREST

CONVEYING PARTY DATA

Name	Execution Date
BLOOMBERG FINANCE L.P.	04/10/2018

RECEIVING PARTY DATA

Name:	BANK OF AMERICA, N.A., AS ADMINISTRATIVE AGENT
Street Address:	214 NORTH TRYON STREET
City:	CHARLOTTE
State/Country:	NORTH CAROLINA
Postal Code:	28255

PROPERTY NUMBERS Total: 84

Property Type	Number
Patent Number:	D496362
Patent Number:	D496363
Patent Number:	D507570
Patent Number:	D496938
Patent Number:	D496936
Patent Number:	D500037
Patent Number:	D497364
Patent Number:	D492684
Patent Number:	D496937
Patent Number:	D497167
Patent Number:	D507270
Patent Number:	D508245
Patent Number:	D535992
Patent Number:	D501208
Patent Number:	D724589
Patent Number:	D486483
Patent Number:	D486484
Patent Number:	D492308
Patent Number:	D516070
Patent Number:	D579450

PATENT

Property Type	Number
Patent Number:	D574850
Patent Number:	D715799
Patent Number:	D757727
Patent Number:	D795868
Patent Number:	D710847
Patent Number:	D718307
Patent Number:	D735719
Patent Number:	D735720
Patent Number:	D752591
Patent Number:	D754137
Patent Number:	D752592
Patent Number:	D750096
Patent Number:	D753129
Patent Number:	D759031
Patent Number:	D761240
Patent Number:	D760710
Patent Number:	D810746
Patent Number:	9495467
Patent Number:	8321465
Patent Number:	8036966
Patent Number:	7623342
Patent Number:	7995332
Patent Number:	8694399
Patent Number:	8799140
Patent Number:	9613026
Patent Number:	7418255
Patent Number:	9378347
Patent Number:	9912793
Patent Number:	7607620
Patent Number:	6919678
Patent Number:	7298076
Patent Number:	7859181
Patent Number:	8264135
Patent Number:	8710728
Patent Number:	9241414
Patent Number:	7046234
Patent Number:	8232967
Patent Number:	8203423

Property Type	Number
Patent Number:	7994898
Patent Number:	7546355
Patent Number:	8249209
Patent Number:	8250151
Patent Number:	7676455
Patent Number:	8692655
Patent Number:	8175946
Patent Number:	8878853
Patent Number:	9854028
Patent Number:	8681643
Patent Number:	8135708
Patent Number:	8135709
Patent Number:	8296295
Application Number:	29550568
Application Number:	29632304
Application Number:	29592413
Application Number:	29592416
Application Number:	15296665
Application Number:	15637537
Application Number:	14643460
Application Number:	15876735
Application Number:	12689503
Application Number:	14146264
Application Number:	15815160
Application Number:	15347483
Application Number:	15419465

CORRESPONDENCE DATA

Fax Number: (214)981-3400

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: 214-981-3483

Email: dclark@sidley.com

Correspondent Name: DUSAN CLARK, ESQ.

Address Line 1: SIDLEY AUSTIN LLP

Address Line 2: 2021 MCKINNEY AVE., SUITE 2000

Address Line 4: DALLAS, TEXAS 75201

ATTORNEY DOCKET NUMBER: 00718-30590

NAME OF SUBMITTER: DUSAN CLARK

SIGNATURE:	/Dusan Clark/
DATE SIGNED:	04/18/2018
Total Attachments: 9 source=PROJECT GO_ Confirmatory Grant of Security Interest in US Patents (2018) (Executed) 230955940_1#page1.tif source=PROJECT GO_ Confirmatory Grant of Security Interest in US Patents (2018) (Executed) 230955940_1#page2.tif source=PROJECT GO_ Confirmatory Grant of Security Interest in US Patents (2018) (Executed) 230955940_1#page3.tif source=PROJECT GO_ Confirmatory Grant of Security Interest in US Patents (2018) (Executed) 230955940_1#page4.tif source=PROJECT GO_ Confirmatory Grant of Security Interest in US Patents (2018) (Executed) 230955940_1#page5.tif source=PROJECT GO_ Confirmatory Grant of Security Interest in US Patents (2018) (Executed) 230955940_1#page6.tif source=PROJECT GO_ Confirmatory Grant of Security Interest in US Patents (2018) (Executed) 230955940_1#page7.tif source=PROJECT GO_ Confirmatory Grant of Security Interest in US Patents (2018) (Executed) 230955940_1#page8.tif source=PROJECT GO_ Confirmatory Grant of Security Interest in US Patents (2018) (Executed) 230955940_1#page9.tif	

**CONFIRMATORY GRANT OF SECURITY INTEREST
IN UNITED STATES PATENTS**

THIS CONFIRMATORY GRANT OF SECURITY INTEREST IN UNITED STATES PATENTS (the “Confirmatory Grant”) is made effective as of April 10, 2018 by and from BLOOMBERG FINANCE L.P., a Delaware limited partnership (the “Grantor”), to and in favor of BANK OF AMERICA, N.A., as Administrative Agent under the below-described Note Purchase Agreement (in such capacity, the “Grantee”).

WHEREAS, the Grantor is party to that certain Fourth Amended and Restated Bloomberg Finance L.P. Private Note Purchase Agreement, dated as of April 10, 2018 (as amended, restated, supplemented or otherwise modified from time to time, the “Note Purchase Agreement”), among Bloomberg Finance L.P., a Delaware limited partnership, the Guarantors party thereto, the Conduit Purchasers from time to time party thereto, the Committed Purchasers from time to time party thereto, the Managing Agents from time to time party thereto and the Grantee;

WHEREAS, the Grantor, certain affiliates thereof and the Grantee have entered into that certain Amended and Restated Master Security Agreement, dated as of October 30, 2012 (as amended, restated, supplemented or otherwise modified from time to time, the “Master Security Agreement”);

WHEREAS, the Grantor owns the patents (the “Patents”) listed on Exhibit A attached hereto, which Patents are issued or pending with the United States Patent and Trademark Office; and

WHEREAS, this Confirmatory Grant has been granted in conjunction with the security interest granted to the Grantee under the Master Security Agreement. The rights and remedies of the Grantee with respect to the security interest granted herein are without prejudice to and are in addition to those set forth in the Master Security Agreement and the other Transaction Documents, all terms and provisions of which are incorporated herein by reference. In the event that any provisions of this Confirmatory Grant are deemed to conflict with the Master Security Agreement, the provisions of the Master Security Agreement shall govern.

NOW, THEREFORE, in consideration of the mutual covenants and agreements set forth herein and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, it is hereby agreed that:

1. Definitions. All capitalized terms not defined herein shall have the respective meaning given to them in the Master Security Agreement or incorporated therein by reference.
2. The Security Interest.

(a) This Confirmatory Grant is made to secure the satisfactory performance and payment of the Obligations. Upon the occurrence of the Collection Date, the Grantee shall promptly execute, acknowledge, and deliver to the Grantor all reasonably requested instruments in writing releasing the security interest in the Patents acquired under this Confirmatory Grant.

(b) The Grantor hereby grants to the Grantee a security interest in (1) all of the Grantor’s right, title and interest in and to the Patents set forth in Exhibit A now owned or from

time to time after the date hereof owned or acquired by the Grantor, together with (2) all proceeds and products of the Patents, and (3) all causes of action arising prior to or after the date hereof for infringement of the Patents or unfair competition regarding the same.

3. Termination. The Grantor and the Grantee hereby acknowledge and agree that the security interest in the Patents may be terminated only in accordance with the Transaction Documents.

4. Choice of Law. This Confirmatory Grant shall be governed by and construed in accordance with the laws of the State of New York.

5. Counterparts. This Confirmatory Grant may be signed in counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument.

IN WITNESS WHEREOF, the Grantor has executed this Confirmatory Grant of Security Interest effective as of the date first written above.

BLOOMBERG FINANCE L.P., as Grantor

By: BLOOMBERG (GP) FINANCE LLC,
its General Partner

By: *Richard K. DeScherer*
Name: Richard K. DeScherer
Title: Secretary

STATE OF NEW YORK)
NEW YORK COUNTY)

Richard K. DeScherer, known to me to be the *Secretary* of Bloomberg (GP) Finance LLC, personally came before me this *9th* day of April, 2018, and executed or acknowledged to me that he executed the foregoing Confirmatory Grant of Security Interest in United States Patents on behalf of Bloomberg (GP) Finance LLC in its capacity as general partner of Bloomberg Finance L.P., and pursuant to authority duly received.

(SEAL)

Angela Spitzer
Notary Public, State of New York
My Commission Expires: *February 3, 2022*

ANGELA SPITZER
Notary Public, State of New York
Registration #01SP6296445
Qualified in New York County
Commission Expires Feb. 3, 2022

[Faint circular notary seal]

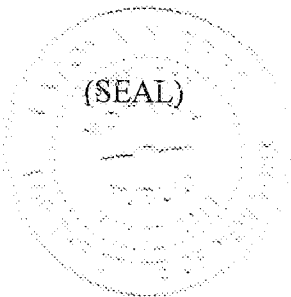
IN WITNESS WHEREOF, the Grantee has executed this Confirmatory Grant of Security Interest effective as of the date first written above.

BANK OF AMERICA, N.A., as
Administrative Agent

By: [Signature]
Name: _____
Title: William C. Heskett
Managing Director

New York
STATE OF NORTH CAROLINA)
MECKLENBURG COUNTY)
Kings

William C. Heskett known to me to be the Managing Director of Bank of America, N.A., personally came before me this 6th day of April, 2018, and executed or acknowledged to me that he executed the foregoing Confirmatory Grant of Security Interest in United States Patents on behalf of Bank of America, N.A., pursuant to authority duly received.



[Signature]
Notary Public, State of NY
My Commission Expires: _____

LATOYA N EPPS
Notary Public - State of New York
No. 01EP6304395
Qualified in Kings County
My Commission Expires May 27, 2018

Exhibit A - SCHEDULE OF PATENTS

Country	Title	(Filing Date)/ Issue Date	(Appl. No.)/ Patent No.
United States	Multi-Panel Computer Display	9/21/2004	D496,362
United States	Multi-Panel Computer Display	9/21/2004	D496,363
United States	Multi-Panel Computer Display	7/19/2005	D507,570
United States	Multi-Panel Computer Display	10/5/2004	D496,938
United States	Multi-Panel Computer Display	10/5/2004	D496,936
United States	Bezel-Less Flat Panel Display	12/21/2004	D500,037
United States	Bezeless Flat Panel Display	10/19/2004	D497,364
United States	Bezel-Less Flat Panel Display	7/6/2004	D492,684
United States	Multi-Panel Computer Display	10/5/2004	D496,937
United States	Multi-Panel Computer Display	10/12/2004	D497,167
United States	Multi-Panel Computer Display	7/12/2005	D507,270
United States	Portable Access Device	8/9/2005	D508,245
United States	Portable Access Device	1/30/2007	D535,992
United States	Portable Access Device (Portrait)	1/25/2005	D501,208
United States	Keyboard	3/17/2015	D724,589
United States	Telephone Handset	2/10/2004	D486,483
United States	Telephone Handset	2/10/2004	D486,484
United States	Computer Keyboard	6/29/2004	D492,308
United States	Computer Keyboard	2/28/2006	D516,070

Country	Title	(Filing Date)/ Issue Date	(Appl. No.)/ Patent No.
United States	Keyboard	10/28/2008	D579,450
United States	Electronic Device	8/12/2008	D574,850
United States	Flat Panel Display	10/21/2014	D715,799
United States	Flat Panel Display	5/31/2016	D757,727
United States	Flat Panel Display	8/29/2017	D795,868
United States	Flat Panel Display	8/12/2014	D710,847
United States	Electronic Access Device	11/25/2014	D718,307
United States	Keyboard	8/4/2015	D735,719
United States	Keyboard	8/4/2015	D735,720
United States	Dock for a Keyboard	3/29/2016	D752,591
United States	Keyboard	4/19/2016	D754,137
United States	Keyboard and Dock for a Keyboard	3/29/2016	D752,592
United States	Electronic Fob	2/23/2016	D750,096
United States	Electronic Fob	(1/5/2016)	(29/550,568)
United States	Fob Carrier	4/5/2016	D753,129
United States	Electronic Fob and Fob Carrier	6/14/2016	D759,031
United States	Mobile Telephone Case	7/12/2016	D761,240
United States	Mobile Telephone Case with Electronic Fob	7/5/2016	D760,710
United States	Keypad	2/20/2018	D810,746
United States	Keypad	(1/5/2018)	(29/632,304)
United States	Folding Monitor Stand	(1/30/2017)	(29/592,413)

Country	Title	(Filing Date)/ Issue Date	(Appl. No.)/ Patent No.
United States	Folding Monitor Stand	(1/30/2017)	(29/592,416)
United States	System and Method for Managing News Headlines	11/15/2016	9495467
United States	System and Method for Managing News Headlines	(10/18/2016)	(15/296,665)
United States	Systems and Methods for Data Coding, Transmission, Storage and Decoding	11/27/2012	8321465
United States	System and Method for Facilitating Foreign Currency Management	10/11/2011	8036966
United States	Support Structure for Two or More Flat Panel Display Devices	11/24/2009	7623342
United States	Support Structure for Two or More Flat Panel Devices	8/9/2011	7995332
United States	Pricing Mortgage-Backed Securities	4/8/2014	8694399
United States	Fixed Income Market Model System	8/5/2014	8799140
United States	System and Method for Electronic Distribution of Software and Data	(6/29/2017)	(15/637,537)
United States	System and Method for Interactive Automatic Translation	4/4/2017	9613026
United States	System and Method for Ensuring Recordkeeping Compliance	(3/10/2015)	(14/643,460)
United States	Computer Terminals Biometrically Enabled for Network Functions and Voice Communication	8/26/2008	7418255
United States	Computer Terminals Biometrically Enabled for Network Functions and Voice Communication	6/28/2016	9378347
United States	Computer Terminals Biometrically Enabled for Network Functions and Voice Communication	3/6/2018	9912793
United States	Computer Terminals Biometrically Enabled for Network Functions and Voice Communication	(1/22/2018)	(15/876,735)
United States	Support for One or More Flat Panel Displays	10/27/2009	7607620
United States	Bezel-Less Electronic Display	7/19/2005	6919678
United States	Bezel-Less Electronic Display	11/20/2007	7298076
United States	Bezel-Less Electronic Display	12/28/2010	7859181
United States	Bezel-Less Electronic Display	9/11/2012	8264135

Country	Title	(Filing Date)/ Issue Date	(Appl. No.)/ Patent No.
United States	Bezel-Less Electronic Display	4/29/2014	8710728
United States	Bezel-Less Electronic Display	1/19/2016	9241414
United States	Computer Keyboard with Processor for Audio and Telephony Functions	5/16/2006	7046234
United States	Computer Keyboard with Processor for Audio and Telephony Functions	7/31/2012	8232967
United States	Portable Access Device	6/19/2012	8203423
United States	Portable Access Device	8/9/2011	7994898
United States	Network Architecture for Data Transmission	6/9/2009	7546355
United States	Synchronous One-Bit Interface Protocol or Data Structure	8/21/2012	8249209
United States	System and Method for Providing Secure Data Transmission	8/21/2012	8250151
United States	Identifying and/or Extracting Data in Connection with Creating or Updating a Record in a Database	3/9/2010	7676455
United States	Identifying and/or Extracting Data in Connection with Creating or Updating a Record in a Database	(1/19/2010)	12/689,503
United States	Dynamically Programmable RFID Transponder	4/8/2014	8692655
United States	System and Method for Providing The Execution Probability of a Limit Order	5/8/2012	8175946
United States	Visualization of a Collection of Orders	11/4/2014	8878853
United States	Computer Keyboard with Secure Authentication Features	(1/2/2014)	(14/146,264)
United States	Apparatus and Method for Efficient, Coordinated, Distributed Execution	12/26/2017	9854028
United States	Apparatus and Method for Efficient, Coordinated, Distributed Execution	(11/16/2017)	(15/815,160)
United States	System and Method of Determining Data Latency Over a Network	3/25/2014	8681643
United States	Systems and Methods for Evaluating Liquidity of a Market	(11/9/2016)	(15/347,483)
United States	Folding Monitor Stand	(1/30/2017)	(15/419,465)
United States	Relevance Ranked Faceted Metadata Search Engine	3/13/2012	8135708

Country	Title	(Filing Date)/ Issue Date	(Appl. No.)/ Patent No.
United States	Relevance Ranked Faceted Metadata Search Method	3/13/2012	8135709
United States	Relevance Ranked Faceted Metadata Search Method	10/23/2012	8296295