PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4554643

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CHRISTOPHER AVORE	08/14/2017
JOSEPH MCNEIL	08/14/2017
CHRISTIAN ECKELS	08/14/2017

RECEIVING PARTY DATA

Name:	NASDAQ, INC.
Street Address:	ONE LIBERTY PLAZA
Internal Address:	165 BROADWAY
City:	NEW YORK
State/Country:	NEW YORK
Postal Code:	10006

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15096492

CORRESPONDENCE DATA

Fax Number: (703)816-4100

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: 703-816-4000

Email: vyunker@nixonvan.com NIXON & VANDERHYE, P.C. **Correspondent Name:**

Address Line 1: 901 N. GLEBE ROAD

Address Line 2: 11TH FLOOR

Address Line 4: ARLINGTON, VIRGINIA 22203

ATTORNEY DOCKET NUMBER:	SJP-4010-317
NAME OF SUBMITTER:	STEPHEN J. PACHOL
SIGNATURE:	/Stephen J. Pachol/
DATE SIGNED:	08/17/2017
	This document serves as an Oath/Declaration (37 CFR 1.63).
	•

Total Attachments: 3

PATENT REEL: 043318 FRAME: 0606 source=4010-317_executed_dec_assign#page1.tif source=4010-317_executed_dec_assign#page2.tif source=4010-317_executed_dec_assign#page3.tif

> PATENT REEL: 043318 FRAME: 0607

Doc code: Oath

Document Description: Oath or declaration filed

Attorney Docket Number SJP-4010-317

	First Named Inventor	AVORE, Christopher	
INVENTOR'S DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63) USING AN APPLICATION DATA SHEET (37 CFR 1.76)			
Declaration Submitted With Initial Filing	,		
OR	16(f)) required)		
SYSTEMS AND METHODS FOR TRANSCRIE	PT PROCESSING		
(Title of the Invention)		***************************************	
As a below named inventor, I hereby declare that:			
This declaration is directed to: ☐ the attached application, or ☐ United States Application Number 15/096,492 filed April 12, 2016, of ☐ PCT International application number filed on	or		
The above-identified application was made or authorized to be made by me.			
I believe I am the original inventor or an original joint inventor of a claimed inver	ntion in the application.		
I hereby acknowledge that any willful false statement made in this declaration is by fine or imprisonment of not more than five (5) years, or both.	punishable under 18 U.S.C.	. 1001	
WHEREAS, the undersigned (hereinafter ASSIGNOR), has made an invention	in the Application identified a	bove.	
WHEREAS, Nasdaq, Inc. (hereinafter ASSIGNEE), an entity, having an office a Broadway, New York, New York United States 10006, is desirous of acquiring a		Liberty Plaza, 165	
NOW, THEREFORE, in consideration of Ten Dollars (\$10.00) and/or other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNOR by these presents hereby sells, assigns, and transfers unto the said ASSIGNEE, its successors, assigns, and legal representatives, ASSIGNOR'S entire right, title and interest in the United States of America and all foreign countries, in and to the invention as described in the aforesaid application, and to the said application and to all subsequent applications based thereon including any and all continuations, divisions, reissues, and substitutes of said application, and all resulting patents, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and the ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns, and legal representatives. It is understood and agreed that ASSIGNEE's attorneys Nixon & Vanderhye P.C. have represented only ASSIGNEE and will continue to represent only ASSIGNEE with respect to this invention;			
ASSIGNOR hereby agrees to transfer a like interest upon request of said ASSIC representatives, and without further remuneration, in and to any improvements, of or related to the said invention;			
ASSIGNOR hereby agrees to execute any papers by ASSIGNEE, its successors, assigns, and legal representatives, deemed essential to ASSIGNEE'S full protection and title in and to the invention hereby transferred; and			
ASSIGNOR hereby agrees, upon request of ASSIGNEE, and without further remuneration, to execute any and all papers desired by ASSIGNEE, for the filing and granting of foreign applications and the perfecting of title thereto in ASSIGNEE.			
AGREED and executed as noted below:			
LEGAL NAME OF INVENTOR/JOINT INVENTOR: (E.g., Given Name (first and middle (if any)) and Family Name or Surname)			
Christopher Inventor's Signature:	Date Server / ,	AVORE	
inventor's dignature.	S //4/	17	
Witnessed by: So F, N	. 11		
Name: 30+1 V	111144		
Signature of witness:	Date: \$/14	117	

Doc code: Oath

Document Description: Oath or declaration filed

Attorney Docket Number SJP-4010-317

First Named Inventor AVORE, Christopher

	First Named Inventor	AVORE, Christopher
INVENTOR'S DECLARATION AND ASSIGNMENT FOR UTILITY OR USING AN APPLICATION DATA SHEE	DESIGN PATENT APP ET (37 CFR 1.76)	LICATION (37 CFR 1.63)
Declaration Submitted With Initial Filing OR		
Declaration Submitted After Initial Filing (surcharge (37 C.F.R. § 1.16	6(f)) required)	
SYSTEMS AND METHODS FOR TRANSCRIPT	T PROCESSING	
(Title of the Invention)		
As a below named inventor, I hereby declare that:		
This declaration is directed to: ☐ the attached application, or ☐ United States Application Number 15/096,492 filed April 12, 2016, or ☐ PCT International application number filed on .		
The above-identified application was made or authorized to be made by me.		
I believe I am the original inventor or an original joint inventor of a claimed inventi	on in the application.	
I hereby acknowledge that any willful false statement made in this declaration is p by fine or imprisonment of not more than five (5) years, or both.	ounishable under 18 U.S.C	2. 1001
WHEREAS, the undersigned (hereinafter ASSIGNOR), has made an invention in	the Application identified	above.
WHEREAS, Nasdaq, Inc. (hereinafter ASSIGNEE), an entity, having an office and Broadway, New York, New York United States 10006, is desirous of acquiring an	d place of business at One interest therein;	e Liberty Plaza, 165
NOW, THEREFORE, in consideration of Ten Dollars (\$10.00) and/or other good of which are hereby acknowledged, the said ASSIGNOR by these presents hereby ASSIGNEE, its successors, assigns, and legal representatives, ASSIGNOR'S end America and all foreign countries, in and to the invention as described in the afore subsequent applications based thereon including any and all continuations, divisional resulting patents, together with the right of priority under the International Convention Convention Relating to Patents, Designs and Industrial Models, and and States of America adheres, and the ASSIGNOR hereby authorizes and requests said Letters Patent to ASSIGNEE, for its interest as ASSIGNEE, its successors, a agreed that ASSIGNEE'S attorneys Nixon & Vanderhye P.C. have represented of ASSIGNEE with respect to this invention;	by sells, assigns, and trans tire right, title and interest esaid application, and to the ons, reissues, and substituted vention for the Protection of by other international agree the Commissioner of Pate assigns, and legal represe nly ASSIGNEE and will co	sfers unto the said in the United States of the said application and to all sutes of said application, and possible of industrial Property, Interpendents to which the United sents and Trademarks to issue intatives. It is understood and sentinue to represent only
ASSIGNOR hereby agrees to transfer a like interest upon request of said ASSIGI representatives, and without further remuneration, in and to any improvements, a of or related to the said invention;	NEE, its successors, assig and applications for patents	ns, and legal s based thereon, growing out
ASSIGNOR hereby agrees to execute any papers by ASSIGNEE, its successors to ASSIGNEE'S full protection and title in and to the invention hereby transferred	, assigns, and legal repres ; and	entatives, deemed essential
ASSIGNOR hereby agrees, upon request of ASSIGNEE, and without further remarks IGNEE, for the filing and granting of foreign applications and the perfecting of the perfect of	uneration, to execute any f title thereto in ASSIGNE	and all papers desired by E.
AGREED and executed as noted below:		
LEGAL NAME OF INVENTOR/JOINT INVENTOR: (E.g., Given Name (first and middle (if any)) and Family Name or Surname)		
Joseph //	Datos	MCNEIL
Inventor's Signature:	Date:	4 2017
Witnessed by: Sofi Milking	***************************************	
Name: O T JOTT PARKE		
Signature of witness:	Date: 8	4/200

Doc code: Oath

Document Description: Oath or declaration filed

Attorney Docket Number SJP-4010-317

	First Named Inventor	AVORE, Christopher
INVENTOR'S DECLARATION AND ASSIGNMENT FOR UTILITY OR USING AN APPLICATION DATA SHE		APPLICATION (37 CFR 1.63)
Declaration Submitted With Initial Filing OR	21 (8) 8: 11 11: 8)	
Declaration Submitted After Initial Filing (surcharge (37 C.F.R. § 1.1	6(f)) required)	
SYSTEMS AND METHODS FOR TRANSCRIP	T PROCESSING	
(Title of the Invention)		
As a below named inventor, I hereby declare that:		
This declaration is directed to: the attached application, or United States Application Number 15/096,492 filed April 12, 2016, or PCT International application number filed on	r	
The above-identified application was made or authorized to be made by me.		
I believe I am the original inventor or an original joint inventor of a claimed invent	ion in the application.	
I hereby acknowledge that any willful false statement made in this declaration is by fine or imprisonment of not more than five (5) years, or both.	ounishable under 18 U	.S.C. 1001
WHEREAS, the undersigned (hereinafter ASSIGNOR), has made an invention in	the Application identif	ied above.
WHEREAS, Nasdaq, Inc. (hereinafter ASSIGNEE), an entity, having an office ar Broadway, New York, New York United States 10006, is desirous of acquiring ar	d place of business at interest therein;	One Liberty Plaza, 165
NOW, THEREFORE, in consideration of Ten Dollars (\$10.00) and/or other good of which are hereby acknowledged, the said ASSIGNOR by these presents here ASSIGNEE, its successors, assigns, and legal representatives, ASSIGNOR'S er America and all foreign countries, in and to the invention as described in the afor subsequent applications based thereon including any and all continuations, divis all resulting patents, together with the right of priority under the International Con American Convention Relating to Patents, Designs and Industrial Models, and ar States of America adheres, and the ASSIGNOR hereby authorizes and requests said Letters Patent to ASSIGNEE, for its interest as ASSIGNEE, its successors, agreed that ASSIGNEE'S attorneys Nixon & Vanderhye P.C. have represented of ASSIGNEE with respect to this invention;	by sells, assigns, and to tire right, title and inter esaid application, and ons, reissues, and sub vention for the Protection by other international act the Commissioner of Fassigns, and legal repr	ransfers unto the said rest in the United States of to the said application and to all estitutes of said application, and on of industrial Property, Inter- greements to which the United Patents and Trademarks to issue esentatives. It is understood and
ASSIGNOR hereby agrees to transfer a like interest upon request of said ASSIG representatives, and without further remuneration, in and to any improvements, a of or related to the said invention;	NEE, its successors, a nd applications for pat	ssigns, and legal ents based thereon, growing out
ASSIGNOR hereby agrees to execute any papers by ASSIGNEE, its successors to ASSIGNEE'S full protection and title in and to the invention hereby transferred	, assigns, and legal rep ; and	presentatives, deemed essential
ASSIGNOR hereby agrees, upon request of ASSIGNEE, and without further rem ASSIGNEE, for the filing and granting of foreign applications and the perfecting of	uneration, to execute a f title thereto in ASSIG	ny and all papers desired by NEE.
AGREED and executed as noted below:		
Legal Name of Additional Joint Inventor, if any:	**************************************	***************************************
(E.g., Given Name (first and middle (if any)) and Family Name or Surname) Christian		ECKELS
Inventor's Signature:	Date:	8/14/17
Witnessed by: Soft Mill	4/2)	7
Signature of witness:	Date:	8/14/12

PATENT REEL: 043318 FRAME: 0610

RECORDED: 08/47/2017