505027139 07/30/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5073889

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
STEVEN BRADLEY	02/07/2018
CONALL O'BRIEN	02/07/2018
JEREMY GOLDSTONE	02/07/2018
ANDREW CRICHTON	02/07/2018
JAMES PHILIP SELLWOOD	01/07/2018

RECEIVING PARTY DATA

Name:	BARCLAYS BANK PLC	
Street Address:	ONE CHURCHILL PLACE	
City:	LONDON, GREATER LONDON	
State/Country:	UNITED KINGDOM	
Postal Code:	E14 5HP	

PROPERTY NUMBERS Total: 2

Property Type	Number
Application Number:	14894504
Application Number:	15685438

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: 215.963.5091

Email: lauren.ferro@morganlewis.com

Correspondent Name: ALISON B. WEISBERG
Address Line 1: 1701 MARKET STREET

Address Line 2: MORGAN, LEWIS & BOCKIUS LLP

Address Line 4: PHILADELPHIA, PENNSYLVANIA 19103-2921

NAME OF SUBMITTER:ALISON B. WEISBERGSIGNATURE:/Alison B. Weisberg/DATE SIGNED:07/30/2018

Total Attachments: 8

PATENT REEL: 046504 FRAME: 0001

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PATENT REEL: 046504 FRAME: 0002

ASSIGNMENT

WHEREAS, We, Steven Bradley, with a post office address of 1 Churchill Place, Canary Wharf Greater London, London E14 5HP, Great and; Conall O'Brien, with a post office address of Babbage House, Radbroke Hall Knutsford, Cheshire WA16 9EU and; Jeremy Goldstone, with a post office address of 12 Ravens Close, Prestwich Greater Manchester, Manchester, M25 0FU, Great Britain and; Andrew Crichton, with a post office address of Block 12, Radborke Hall, Knutsford, Cheshire, WA16 9EU, Great Britain and; James Philip Sellwood, with a post office address of 12 The Mount, Guildford, Surrey, GU2 4HN, Great Britan, hereinafter generally referred to collectively as "ASSIGNORS," have invented certain new and useful inventions entitled:

"LINKED REGISTRATION"

that are described in U.S. Patent Application Nos. 14/894,504 filed November 28, 2015 and U.S. Patent Application No. 15/685,438 filed August 24, 2017 ("Inventions") naming the above ASSIGNORS as inventors and/or applicants.

WHEREAS, Barclays Bank PLC, having a place of business at One Churchill Place, London, Greater London, E14 5HP, Great Britain, hereinafter generally referred to as "ASSIGNEE," is desirous of acquiring and/or confirming the acquisition of the Inventions.

NOW, THEREFORE, in consideration of good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged and intending to be legally bound hereby, we, ASSIGNORS, have assigned and/or by these presents do sell, assign, transfer and convey unto ASSIGNEE, the whole and entire right, title and interest in and to:

all Inventions;

the above patent applications and any and all United States and foreign patent applications disclosing one or more of the Inventions including, without limitation, applications for patents including provisionals, non-provisionals, divisions, continuations, continuations-in-part, requests for continued examinations, utility models, PCT applications and designs and any other related United States and foreign applications and equivalents thereof ("Applications"), along with the right to claim priority to the Applications under any treaty relating thereto;

all United States and foreign patents, utility models, inventor's certificates and designs and all equivalents thereof which may be granted for the Inventions or Applications, including extensions, renewals, reissues and reexamination certificates thereof ("Patents"); and

Page 1 of 8

all rights to sue for and collect damages resulting from past, present and future infringement of all granted or to be granted Patents;

the Inventions, Applications and Patents to be held and enjoyed by ASSIGNEE, for ASSIGNEE's own use and benefit, and for ASSIGNEE's legal representatives and assigns to the full end of the term or terms of said granted or to be granted Patents, as fully and entirely as the same would have been held by ASSIGNORS had this assignment and sale not been made; and for the aforesaid consideration ASSIGNORS hereby covenant, agree and undertake to execute, whenever requested by the above-named ASSIGNEE, all patent applications, assignments, lawful oaths and any other papers which ASSIGNEE may deem necessary or desirable for securing to ASSIGNEE or for maintaining for ASSIGNEE all the Inventions, Applications and Patents hereby assigned or agreed to be assigned; all without further compensation to the undersigned ASSIGNORS.

It is agreed that ASSIGNORS shall be legally bound, upon request and at the expense of ASSIGNEE or its successors or assigns or a legal representative thereof, to supply all information and evidence of which the undersigned has knowledge or possession, relating to the making and practicing of the Inventions, and to testify in any legal proceeding relating thereto.

Each ASSIGNOR hereby represents and warrants that he has full right, power and authority to assign their entire right, title, and interest in the Patents, Applications, and Inventions, and to consummate the assignment contemplated herein. Each ASSIGNOR also represents and warrants that he has full right, power, and authority to enter into, execute, and deliver this Assignment, the execution and delivery of which have been duly authorized by all necessary action on the part of ASSIGNORS, and no other authorization or proceedings on the part of ASSIGNORS are necessary to authorize this Assignment. This Assignment has been duly executed and delivered and constitutes a valid, binding and enforceable assignment of the entire right, title, and interest in the Patents and Applications, and Inventions disclosed therein.

ASSIGNORS hereby warrant that no assignment, sale, agreement, or encumbrance has been or will be made or entered into which would conflict with this Assignment.

(SIGNATURE PAGES FOLLOW)

Page 2 of 8

STATE OF

: ss.

COUNTY OF

Before me, a notary public in and for the State and County aforesaid, on this _____ day of ______, 2018, personally appeared Steven Bradley, who being known to me (or satisfactorily proven), and who having first executed the foregoing Assignment in connection with the inventions entitled Linked Registration in my presence and have been by me first duly sworn, did acknowledge the foregoing instrument as his free deed and act, signed, sealed and delivered by him for the purpose therein stated and intending to be legally bound thereby and intending that said instrument be recorded.

Notary Public

My Commission Expires:

Page 3 of 8

STATE OF

: ss.

COUNTY OF

Before me, a notary public in and for the State and County aforesaid, on this _____ day of _____, 2018, personally appeared Conall O'Brien, who being known to me (or satisfactorily proven), and who having first executed the foregoing Assignment in connection with the inventions entitled Linked Registration in my presence and have been by me first duly sworn, did acknowledge the foregoing instrument as his free deed and act, signed, sealed and delivered by him for the purpose therein stated and intending to be legally bound thereby and intending that said instrument be recorded.

Notary Public

My Commission Expires:

Page 4 of 8

02 07 18	And the second s
Date	Jeremy Goldstone
STATE OF	:
SS.	
COUNTY OF	÷
me (or satisfactorily pr connection with the in- me first duly sworn, di sealed and delivered by	ic in and for the State and County aforesaid, on this day of, 2018, personally appeared Jeremy Goldstone , who being known to en), and who having first executed the foregoing Assignment in ntions entitled Linked Registration in my presence and have been by acknowledge the foregoing instrument as his free deed and act, signed im for the purpose therein stated and intending to be legally bound it said instrument be recorded.
Notary Public	
My Commission Expir	

Page 5 of 8

02/07/18	A. Gol.		
Date 1	Andrew Crichton		
STATE OF	:		
: SS.			
COUNTY OF	*		
me (or satisfactorily pro- connection with the inve- me first duly sworn, did sealed and delivered by I	lic in and for the State and Councillo, 2018, personally appeared a ven), and who having first executions entitled Linked Registracknowledge the foregoing institution for the purpose therein states at said instrument be recorded.	Andrew Crichton, who be cuted the foregoing Assignation in my presence and strument as his free deed atted and intending to be lessed.	peing known to nment in I have been by and act, signed
Notary Public			
My Commission Expires	3:		

01/07/2018	James P	Sellward		
DEF: LINKED	James P PEGISTRATION'	14/894,504	L 15/1685, 438	
STATE OF		:		
COUNTY OF	A	:		
Before me, a notary	public in and for t	he State and Coun	ity aforesaid, on this	s day of
to me (or satisfactoriconnection with the me first duly sworn, sealed and delivered thereby and intendin	ily proven), and winventions entitled did acknowledge by him for the pu	ho having first exe Linked Registra the foregoing instr pose therein state	ecuted the foregoing tion in my presence rument as his free d	e and have been by leed and act, signed,
Notary Public				

My Commission Expires:

Page 7 of 8

Date	[Assignee's Name]
	NAME, TITLE
STATE OF	;
: ss. COUNTY OF	:
Before me, a nota	y public in and for the State and County aforesaid, on this day of, 2018, personally appeared, who being known to me
with the invention sworn, did acknow delivered by him	roven), and who having first executed the foregoing Assignment in connection is entitled Linked Registration in my presence and have been by me first duly ledge the foregoing instrument as his free deed and act, signed, sealed and for the purpose therein stated and intending to be legally bound thereby and instrument be recorded.
Notary Public	
My Commission I	xpires;

Page 8 of 8.

PATENT REEL: 046504 FRAME: 0010

RECORDED: 07/30/2018