#### 07/27/2017 504475897

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4522599

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
JEREMY GOLDSTONE	06/03/2017
DERMOT DWYER	05/02/2017

### **RECEIVING PARTY DATA**

Name:	BARCLAYS BANK PLC
Street Address:	1 CHURCHILL PLACE
City:	LONDON
State/Country:	UNITED KINGDOM
Postal Code:	E14 5HP

## **PROPERTY NUMBERS Total: 1**

Property Type	Number	
Application Number:	14676131	

### CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	30419-039
NAME OF SUBMITTER:	STEVEN D. UNDERWOOD
SIGNATURE:	/Steven D. Underwood/
DATE SIGNED:	07/27/2017

### **Total Attachments: 3**

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> **PATENT REEL: 043109 FRAME: 0802** 504475897

#### ASSIGNMENT

WHEREAS, I, the below-named ASSIGNOR, am the inventor of the invention(s) described in one or more of the following patent application(s):

-	APPLICATION NUMBER	COUNTRY	FILING DATE	TITLE
	14/676,131	US	2015-04-01	USER AUTHENTICATION
	1406041.2	GB	2014-04-03	USER AUTHENTICATION

And WHEREAS, Barelays Bank PLC., a corporation having its principal place of business at 1 Churchill Place, London E14 5HP, UK, ("ASSIGNEE"), desires to acquire the entire right, title, and interest in and to the invention(s) and the above-listed application(s), and in and to all applications for patent to be filed and all patents to be issued for the invention(s) and/or claiming priority to any of the above-listed application(s), throughout the world;

NOW, THEREFORE, be it known that, for US\$ 1.00 and other good and valuable consideration the receipt of which from ASSIGNEE is hereby acknowledged, ASSIGNOR has sold, assigned, transferred, and set over, and does hereby sell, assign, transfer, and set over unto ASSIGNEE, its lawful successors and assigns, the entire right, title, and interest in and to the invention(s) and the above-listed patent application(s), and all nonprovisional, foreign, and PCT applications claiming priority thereto, and divisions and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of the above-listed application(s), and all Letters Patent which may be granted on the invention(3) and/or on applications claiming priority to the above-listed application(s), in any foreign country, and all extensions, renewals, and reissues thereof;

AND, ASSIGNOR hereby authorizes and requests the Commissioner for Patents and Trademarks of the United States, and any official of any foreign country whose duty it is to issue patents, to issue all Letters Patent for the invention(s) and/or the above-listed application(s) and related foreign applications to ASSIGNEE, its successors and assigns, in accordance with the terms of this ASSIGNMENT;

AND, ASSIGNOR further covenants and agrees that ASSIGNOR will, without further consideration, communicate with ASSIGNEE, its successors and assigns, any facts known to ASSIGNOR respecting the invention(s) and/or the above-listed applications, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect title to the invention(s) and/or the above-listed application(s) in said ASSIGNEE, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid ASSIGNEE, its successors and assigns, to obtain and enforce proper patent protection for the invention(s) and/or the above-listed application(s) in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by ASSIGNEE, its successors and assigns.

AND, ASSIGNOR further covenants and agrees that ASSIGNOR will assign, and hereby does assign, to ASSIGNEE, its lawful successors and assigns, ASSIGNOR'S entire right, title, and interest in and to any and all patent applications and patents, both United States and foreign, that claim priority to the above-listed application(s) (including continuations-in part).

IN TESTIMONY WHEREOF, I hereunto set my hand the day and year corresponding to my signature:

1	ASSIGNOR	FAMILY NAME OR SURNAME	GIVEN NAME	MIDDLE NA	MB
	GOLDSTONE		Jeremy		
	MAILING ADDRESS	STREET	CITY	STATE OR COUNTRY	ZIP CODE
		12 Ravens Close	Manchester	UK	M25
	+ 3	Prestwich, Manchester			0FU
	SIGNATURE OF			DATE	
	ASSIGNOR	Contract of the second		03/06	117.
	WITNESS #1	NAME	SIGNATURE	DATE	
		JENEMY LEF	Me	03-06	-2017
	WITNESS #2	NAME	SIGNATURE	DATE	
		ANNE CHIMPRE	师	03/06	12017

ı	ASSIGNOR	FAMILY NAME OR SURNAME	GIVEN NAME	MIDDLENA	ME
		DWYER	Dermot	John	
	MAILING ADDRESS STREET		CITY	STATE OR COUNTRY	ZIP CODE
		16 Alders Avenue	High Peak	UK	SK23 6DS
	SIGNATURE OF ASSIGNOR		The second section is a second	DATE	
	WITNESS#I	NAME	SIGNATURE	DATE	energy and a superior and the superior a
	WITNESS #2	NAME	SIGNATURE	DATE	
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patent applications and patents, both United States and foreign, that claim priority to the above-listed application(s) (including continuations-in part).

IN TESTIMONY WHEREOF, I hereunto set my hand the day and year corresponding to my signature:

ASSIGNOR	FAMILY NAME OR SURNAME GIVEN NAME GOLDSTONE Jeremy		MIDDLE NA	SE
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MAILING ADDRESS	STREET	CHY	STATE OR COUNTRY	ZIP CODE
- Para de la constanta de la c	12 Ravens Close	Prestwich	GB	M25 0FU
SIGNATURE OF ASSIGNOR		······································	DATE	
WITNESS #1	NAME	SIGNATURE	DATE	and a second
WITNESS #2	NAME	SIGNATURE	DATE	**************************************
ASSIGNOR	FAMILY NAME OR SURNAME	Given name	MIDDLE NA	W
MAILING ADDRESS	STREET	CITY	STATEOR	ZIPCODE
	Derbyshire	High Peak	GB	SK23
SIGNATURE OF ASSIGNOR	DID		DATE 3./5/17	
WITNESS #1	NAME	SIGNATURE	DATE	1,7
WITNESS #2	NAME CO	SIGNATURE	DATE	17
	MAILING ADDRESS SIGNATURE OF ASSIGNOR WITNESS #2  ASSIGNOR  MAILING ADDRESS SIGNATURE OF ASSIGNOR  WITNESS #1	MAILING ADDRESS STREET  12 Ravens Close  SIGNATURE OF ASSIGNOR  WITNESS #1 NAME  WITNESS #2 NAME  ASSIGNOR FAMILY NAME OR SURNAME DWYER  MAILING ADDRESS STREET  Derbyshire  SIGNATURE OF ASSIGNOR  WITNESS #1 NAME  WITNESS #1 NAME	GOLDSTONE Jeremy  MAILING ADDRESS STREET CITY  12 Ravens Close Prestwich  SIGNATURE OF ASSIGNOR  WITNESS #1 NAME SIGNATURE  WITNESS #2 NAME SIGNATURE  ASSIGNOR FAMILY NAME OR SURNAME GIVEN NAME DWYER Dermot  MAILING ADDRESS STREET CITY  Derbyshire High Peak  SIGNATURE OF ASSIGNOR  WITNESS #1 NAME SIGNATURE  WITNESS #2 NAME SIGNATURE	GOLDSTONE Jeremy  MAILING ADDRESS STREET CITY STATE OR COUNTRY  12 Ravens Close Prestwich GB  SIGNATURE OF ASSIGNOR  WITNESS #1 NAME SIGNATURE DATE  WITNESS #2 NAME SIGNATURE DATE  ASSIGNOR FAMILY NAME OR SURNAME GIVEN NAME MIDDLE NA DWYER Dermot  MAILING ADDRESS STREET CITY STATE OR COUNTRY Derbyshire High Peak GB  SIGNATURE OF ASSIGNOR  SIGNATURE OF ASSIGNOR  WITNESS #1 NAME SIGNATURE DATE  WITNESS #1 NAME SIGNATURE DATE  2 / 5 / 5

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