PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4381108

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------|----------------|
| MARTIN HOOLEY | 03/15/2017 |

RECEIVING PARTY DATA

| Name: | SMARTGLYPH LIMITED | |
|-------------------|-----------------------------------|--|
| Street Address: | SUITE 6F, PONDEROSA BUSINESS PARK | |
| Internal Address: | SMITHIES LANE, HECKMONDWIKE | |
| City: | WEST YORKSHIRE | |
| State/Country: | UNITED KINGDOM | |
| Postal Code: | WF16 0PR | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 15309854 |

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: 216-621-1113

Email: bhyde@rennerotto.com

Correspondent Name: RENNER OTTO BOISSELLE & SKLAR, LLP

Address Line 1: 1621 EUCLID AVENUE
Address Line 2: NINETEENTH FLOOR
Address Line 4: CLEVELAND, OHIO 44115

ATTORNEY DOCKET NUMBER: MOHNP0110WOUS

NAME OF SUBMITTER: DON W. BULSON

SIGNATURE: /Don W. Bulson/

DATE SIGNED: 04/24/2017

Total Attachments: 2

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PATENT 504334421 REEL: 042126 FRAME: 0163

Renner Otto Docket No. MOHNP0110WOUS PATENT (OUS)

ASSIGNMENT OF APPLICATION FOR PATENT (US RIGHTS ONLY)

Whereas,

| Name of Inventor(s) | Address |
|---------------------|--|
| Martin Hooley | 12 Huddleston Court Mirfield, West Yorkshire WF14 8BD United Kingdom |
| _ | |

(hereinafter referred to as ASSIGNOR), have invented a certain invention entitled:

| TITLE: METHOD OF AUTHENTICATION |
|---------------------------------|
|---------------------------------|

for which application for Letters Patent of the United States has been filed under:

| Application No. (Express Mail Label No.) | PCT/GB2015/051363 |
|--|-------------------|
| Filing Date (Deposit Date) | May 8, 2015 |

[Authorization is hereby given for any attorney of record in the subject patent application to insert above the application number and filing date information for this application when that information becomes available]

or, if no application is identified above, the application executed concurrently herewith.

For good and valuable consideration, receipt of which is hereby acknowledged, I have sold and assigned and hereby sell and assign to:

| Assignee(s) | Address |
|--------------------|---|
| SMARTGLYPH LIMITED | Suite 6F, Ponderosa Business Park Smithies Lane, Heckmondwike West Yorkshire WF16 0PR United Kingdom |

[If more than one assignee is listed, each owns an undivided equal share in the application and underlying invention so far as concerns the United States unless otherwise indicated or agreed to by the assignees.]

and the successors and assigns thereof, the entire right, title and interest to said invention so far as concerns the United States and the Territories and Possessions thereof, including the right to claim priority, and said application and all Letters Patent of the United States to be obtained on said application, and any related applications including any nonprovisional application, continuation, division, renewal, substitute or reissue thereof, for the full term or terms for which the same may be granted, and any U.S. nonprovisional, U.S provisional and/or U.S. national phase patent application on which priority is claimed.

Renner Otto Docket No. MOHNP0110WOUS PATENT (OUS)

I hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into that would conflict with this assignment and sale.

I further covenant that Assignee(s) will, upon request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent as may be known and accessible to me and will testify as to the same in any proceeding related thereto and will promptly execute and deliver to Assignee(s), or the legal representative thereof, any and all papers, instruments or affidavits required to apply for, obtain, maintain and enforce said application, said invention and said Letters Patent which may be necessary or desirable to carry out the purposes hereof.

I agree that this assignment shall be construed in accordance with the law of the appropriate jurisdiction within the United States, and without regard to its conflicts of laws provisions.

| | N./ W. |
|---------------------|----------------------------|
| Name of Inventor(s) | , , Date , \// Signature |
| Martin Hooley | 15th March 17 11 What |
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