505127896 10/05/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5174658

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

CONVEYING PARTY DATA

| Name | Execution Date |
|-----------------|----------------|
| FRANK SCHOOFS | 05/23/2017 |
| JACQUELINE HALL | 05/23/2017 |

RECEIVING PARTY DATA

| Name: | ELEMENT SIX (UK) LIMITED |
|-----------------|---|
| Street Address: | ELEMENT SIX GLOBAL INNOVATION CENTRE, FERMI AVENUE, HARWELL CAMPUS, |
| City: | DIDCOT |
| State/Country: | UNITED KINGDOM |
| Postal Code: | OX11 0QR |

PROPERTY NUMBERS Total: 1

| Property Type | Number | |
|---------------------|----------|--|
| Application Number: | 16090935 | |

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:
 44 1235 441145

 Email:
 groupip@e6.com

Correspondent Name: ELEMENT SIX GROUP INTELLECTUAL PROPERTY

Address Line 1: G.I.C., FERMI AVENUE, HARWELL CAMPUS, Address Line 4: DIDCOT, UNITED KINGDOM OX11 0QR

| ATTORNEY DOCKET NUMBER: | PF1366-USW-0 |
|-------------------------|-----------------|
| NAME OF SUBMITTER: | DEBORAH BRADLEY |
| SIGNATURE: | /D.BRADLEY/ |
| DATE SIGNED: | 10/05/2018 |

Total Attachments: 2

source=PF1366 16-06-20 Inventor Assignment (GBDOF)#page1.tif source=PF1366 16-06-20 Inventor Assignment (GBDOF)#page2.tif

PATENT 505127896 REEL: 047078 FRAME: 0490

ASSIGNMENT

PARTIES:

- (1) Frank SCHOOFS and Jacqueline HALL both of Element Six Global Innovation Centre, Fermi Avenue, Harwell Campus, Didcot, Oxfordshire, OX11 0QR, United Kingdom (hereinafter collectively and severally "the INVENTOR"); and
- (2) ELEMENT SIX (UK) LIMITED, a company registered in England & Wales under company number 01050981 having a registered address at Global Innovation Centre, Fermi Avenue, Harwell Oxford, Didcot, Oxfordshire, OX11 OQR, United Kingdom ("the ASSIGNEE");

each a "PARTY" and together the "PARTIES".

WHEREAS:

A. The INVENTOR is an inventor of the invention ("the INVENTION") which is the subject of the following patent application(s) (hereinafter collectively and severally "the APPLICATION"):

| Country | Application No. and Application Date | Inventors | Title | References |
|---------|---|---|-----------------------|-------------|
| GB | GB1608669.6 filed | Frank SCHOOFS; Jacqueline HALL and Richard | Diamond Tool Piece | PF1366-GB-0 |
| | | BODKIN | | |

- B. The INVENTOR's contribution to the INVENTION was made by the INVENTOR during the normal course of the INVENTOR's duties as an employee of the ASSIGNEE, or under a fiduciary duty as a director of the ASSIGNEE, or pursuant to a commission by or other contract with the ASSIGNEE, and in circumstances such that, as between the INVENTOR and the ASSIGNEE, all the INVENTOR's rights in the INVENTION (including the APPLICATION) has at all relevant times been taken to belong to the ASSIGNEE, or the ASSIGNEE has been beneficially entitled to the same.
- C. For the avoidance of doubt and so as to confirm the ASSIGNEE's legal title to the same, the PARTIES have agreed to execute this Assignment for the purpose of ensuring that all the INVENTOR's rights in the INVENTION (including the APPLICATION and all other intellectual property rights) are vested in the ASSIGNEE.

IT IS AGREED THAT:

In consideration of the sum of US\$1 (one US dollar) paid by the ASSIGNEE to the INVENTOR, receipt of which is hereby acknowledged:

- The INVENTOR confirms the assignment, and as necessary assigns, to the ASSIGNEE, effective as of the date of the INVENTION ("the EFFECTIVE DATE"), and the ASSIGNEE confirms its acceptance of, and as necessary accepts, from the EFFECTIVE DATE, all the INVENTOR's property, right, title, and interest in and to the INVENTION and the APPLICATION for all relevant states including without limitation:
 - the right to apply for and obtain patents in respect of the INVENTION in any country in the world;
 - (b) the right title and interest in the Application and all patent applications, patents and supplementary protection certificates which may now or at any time in the future derive or result or claim priority from the same or otherwise relate to the Invention, including without limitation any divisionals, continuations, continuations in-part, reissues, re-examination certificates, post-grant reviews, inter partes reviews, supplemental examinations, extensions, renewals and registrations in relation to any thereof and all and any other rights in the

PATENT REEL: 047078 FRAME: 0491 inventions comprised in any of the same (hereinafter collectively and severally "the Patent Rights");

(c) the benefit of all priority dates;

- (d) the right to seek and to obtain registrations in any country in the world in respect of any patent deriving from the APPLICATION or otherwise included in the PATENT RIGHTS:
- (e) the right to sue for and obtain injunctive relief, damages and all other relief in respect of any infringement or misuse (whether past present or future) of any of the PATENT RIGHTS or of the rights conferred by the publication of any of the same.
- 1.2 The PARTIES authorise and request their professional representative before any national or regional patent office to insert an appendix signed and dated by the professional representative detailing the filing date and application number of any patent application, patent and/or supplementary protection certificates which may now or at any time in the future derive or result or claim priority form the Application where needed for effective recordal of any such patent application or patent at any national or regional patent office.
- 1.3 The INVENTOR agrees to execute all such documents as may be required to ensure the vesting in the ASSIGNEE of the PATENT RIGHTS, all at the expense of the ASSIGNEE.
- 1.4 This Assignment shall be governed by the laws of England and Wales, and the PARTIES submit to the exclusive jurisdiction of the courts of England and Wales in respect of any dispute relating to this Assignment.

| oigned by the live en i Cik | | Signed by the INVENTOR | | |
|--|---|------------------------|-----------------|--|
| Signature: | Frank SCHOOFS | Signature: | Jacqueline HALL | |
| Name: | , | Name: | Section 1 | |
| Date: | | Date: | 19105/17 | |
| Signed on Company: Signature: Name: Position Date: | behalf of the ASSIGNEE: Element Six (UK) Limited, Oxfordshire, UK name: MITCHELL, Matthew Benedict Di Authorised Signatory | avid | | |

PATENT REEL: 047078 FRAME: 0492

RECORDED: 10/05/2018