

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
SIMON SMITH	05/21/2018
SIMON HODGSON	05/21/2018
MARK BALMER	05/21/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	MOOD ENTERPRISES LIMITED
<b>Street Address:</b>	5 INNOVATION CLOSE, YORK SCIENCE PARK
<b>City:</b>	YORK, YORKSHIRE
<b>State/Country:</b>	UNITED KINGDOM
<b>Postal Code:</b>	YO10 5ZF
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15767840
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<b>SIGNATURE:</b>	/PAUL E. ROSSLER/
<b>DATE SIGNED:</b>	05/24/2018
<b>Total Attachments: 3</b>	
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ASSIGNMENT OF INVENTION

WHEREAS, **SIMON SMITH**, (a citizen of the United Kingdom) whose address is 5 Innovation Close, York Science Park, York Yorkshire YO10 5ZF, United Kingdom; **SIMON HODGSON**, (a citizen of the United Kingdom) whose address is 5 Innovation Close, York Science Park, York Yorkshire YO10 5ZF, United Kingdom; and **MARK BALMER**, (a citizen of the United Kingdom) whose address is 5 Innovation Close, York Science Park, York Yorkshire YO10 5ZF, United Kingdom are the inventors (hereinafter referred to as **ASSIGNORS**) of certain new and useful improvements in

**METHOD AND SYSTEM FOR THE PROVISION OF A MODEL UTILISING CAUSAL RELATIONSHIP DISCOVERY AND ANALYSIS**

WHEREAS, **ASSIGNORS** are now the exclusive owner of said application and the **INVENTION** described and claimed therein, and all rights in, to and under the same; and

WHEREAS, **MOOD ENTERPRISES LIMITED**, a corporation organized under the laws of the United Kingdom, whose address is 5 Innovation Close, York Science Park, York Yorkshire YO10 5ZF, United Kingdom (hereinafter referred to as **ASSIGNEE**), is desirous of acquiring the entire right, title and interest in and to the aforementioned application and **INVENTION** and in, to and under any and all Letters Patent of the United States and in any and all foreign countries thereof;

NOW, THEREFORE, for and in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, **ASSIGNORS** have sold, assigned, transferred and set over and do hereby sell, assign, transfer and set over to the said **ASSIGNEE**, the said **INVENTION** and application, and any and all divisions and continuations thereof, and any and all Letters Patent of the United States, its territorial possessions, and any and all foreign countries which may be granted therefore, and any and all reissues and reexaminations of said Letters Patent, including the subject matter of any and all claims which may be obtained in every such patent, the same to be held and enjoyed by the said **ASSIGNEE** for its own use and behoof, and for the use and behoof of its successors, assigns, or other legal representatives, to the end of the term or terms for which said Letters Patent of the United States, territories and foreign countries are or may be granted, reissued, or reexamined as fully and entirely as same would have been held and enjoyed by **ASSIGNORS**, as if this assignment and sale had not been made.

AND, **ASSIGNORS** hereby authorize and request the Commissioner of Patents to issue any and all Letters Patent of the United States on said **INVENTION**, or resulting from said application, and from any and all divisions and continuations thereof to the said **ASSIGNEE**, of the entire interest, and hereby covenants that they have full right to convey the entire interest therein assigned, and that they have not executed and will not execute any agreement in conflict therewith.

AND, ASSIGNORS further hereby covenant and agree that they will, at any time, upon request, at the expense of said ASSIGNEE, execute and deliver any and all papers that may be necessary or desirable to perfect the title to said INVENTION, and to said Letters Patent as may be granted therefore, in said ASSIGNEE, its successors, assigns, or other legal representatives, and that if said ASSIGNEE, its successors, assigns, or other legal representatives shall desire to file any divisional or continuation application, or to secure a reissue or reexamination of such Letters Patent, or to file a disclaimer relating thereto, will, upon request, sign all papers, make all rightful oaths, and do all acts requisite for the filing of such divisional or continuing application, or such application for reissue or reexamination and procuring thereof, and for the filing of such disclaimers, without further compensation, but at the expense of said ASSIGNEE, its successors or other legal representatives.

AND, ASSIGNORS do further covenant and agree, that they will, at any time, upon request, communicate to said ASSIGNEE, its successors, assigns, or other legal representatives, at its expense, such facts relating to said INVENTION and Letters Patent or the history thereof, as may be known to them, and testify as to the same in any interference or other litigation, when requested to do so.

IN WITNESS WHEREOF, we have hereunto set our hands upon the day of signing as noted below:

**SIGNATURES**

**First Named Inventor:**

**SIMON SMITH**

**Inventor's signature**

*SM*

**Date**

*21st MAY 2018*

**Country of Citizenship:**

United Kingdom

**Residence**

York Yorkshire, United Kingdom

**Post Office Address**

5 Innovation Close, York Science Park  
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**Second Named Inventor:**

**SIMON HODGSON**

**Inventor's signature**

*[Handwritten Signature]*

**Date**

*21st May 2018*

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**Third Named Inventor:**

**MARK BALMER**

**Inventor's signature**

*Mark Balmer*

**Date**

21<sup>st</sup> MAY 2018

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**Residence**

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Declaration and Assignment of Invention—page 4 of 4