505586113 07/23/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5632912

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

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------------------|----------------|
| THE UNIVERSITY OF BRISTOL | 12/17/2018 |

RECEIVING PARTY DATA

| Name: | AIRBUS OPERATIONS LIMITED | |
|-----------------|---|--|
| Street Address: | PEGASUS HOUSE, AEROSPACE AVENUE, FILTON | |
| City: | BRISTOL | |
| State/Country: | UNITED KINGDOM | |
| Postal Code: | BS34 7PA | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 16330904 |

CORRESPONDENCE DATA

Fax Number: (703)816-4100

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: 703-816-4000

Email: PTOMAIL@NIXONVAN.COM **Correspondent Name:** NIXON & VANDERHYE P.C.

Address Line 1: 901 N GLEBE ROAD, 11TH FLOOR

Address Line 4: ARLINGTON, VIRGINIA 22203

| ATTORNEY DOCKET NUMBER: | AHB-5065-538 | |
|-------------------------|------------------|--|
| NAME OF SUBMITTER: | AMIR H. BEHNIA | |
| SIGNATURE: | /Amir H. Behnia/ | |
| DATE SIGNED: | 07/23/2019 | |

Total Attachments: 6

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> **PATENT** REEL: 049838 FRAME: 0860

TECHNOLOGY ASSIGNMENT

between

- (1) Airbus Operations Limited
- (2) The University of Bristol

Dated: 17th DEC 2018

PATENT REEL: 049838 FRAME: 0861

BETWEEN:

- (1) Airbus Operations Limited, incorporated and registered in the England and Wales with company number 3468788, whose registered office is at Pegasus House, Filton, Bristol BS34 7PA ("Airbus"); and
- (2) The University of Bristol, incorporated by Royal Charter under the laws of England, registered under the number RC000648, whose registered office is at Beacon House, Queens Rd, Bristol, BS8 1QU (the "University").

BACKGROUND

- (C) The Parties have agreed that the University shall assign to Airbus the Assigned Rights on the terms and conditions set out below.
- 1. DEFINITIONS
- 1.1 The following definitions apply in this Agreement:

"Agreement" means this agreement.

"Assigned Rights" means all Intellectual Property Rights in the Technology, any Patent Applications, and any Inventions.



"Intellectual Property Rights" means patents, registered designs, trade marks, service marks, domain names, copyright and related rights, design rights, database rights, moral rights, metadata, petty patents, utility models and all similar property rights including without limitation those subsisting in any part of the world in inventions, designs, drawings, computer programs, semiconductor topographies, business names, IP addresses, goodwill, right to sue for passing off or unfair competition, 'get-up' and the style and presentation of goods or services and all other intellectual property rights, in each case whether registered or unregistered and including all applications and rights to apply for and be granted, renewals or extensions of, and rights to claim priority from, such rights and all similar or equivalent rights or

forms of protection which subsist or will subsist now or in the future in any part of the world and the term "Intellectual Property" shall be construed accordingly.

"Internal Use" means non-commercial use within the University for research, development and teaching purposes.

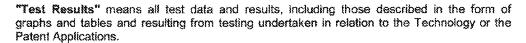
"Inventions" means the inventions contained in the Patent Application.

"Know-How" means any non-patented technical or practical information, resulting from experience (including without limitation, information relating to inventions, discoveries, concepts, methodologies, models, research, development and testing procedures, the results of experiments, tests and trials, manufacturing processes, techniques and specifications, quality control data, analyses, report and submissions), which is not in the public domain. For the avoidance of doubt, Know-How shall be deemed to include any Test Results.

"Licensed Know-How" means the University's Know-How which relates to the Technology,

"Party" means a party to this Agreement, and "Parties" shall be construed accordingly.

"Patent Applications" means the patent applications set out in paragraph 2 of Schedule 1,



"Working Day" means any day (other than a Saturday, Sunday or a public holiday in England) on which the banks in the City of London are open for business.

2. INTERPRETATION

- 2.1 The headings in this Agreement are for the purpose of information and identification only, and shall not be construed as forming part of this Agreement.
- 2.2 A reference to a statute or statutory provision includes:
 - (a) any subordinate legislation (as defined in Section 21(1), Interpretation Act 1978) made under it:
 - any repealed statute or statutory provision which it re-enacts (with or without modification); and
 - (c) any statute or statutory provision which modifies, consolidates, re-enacts or supersedes it whether such statute or statutory provision comes into force before or after the date of this Agreement, except to the extent that it comes into force after the date of this Agreement and would impose any new or extended obligation, liability or restriction on or otherwise adversely affect the rights of any Party.
- 2.3 Words in the singular include the plural and vice versa and words in one gender include any other gender.

- 2.4 General words shall not be given a restrictive meaning where they follow one or more specific terms indicating a particular category of act, matter or thing or where they are followed by examples.
- 2.5 Any words following the terms "including", "include", "in particular", "for example" or any similar expression shall be construed as illustrative and shall not limit the sense of the words, description, phrase or term preceding those terms.
- 2.6 References to Clauses and Schedules are to Clauses and schedules to this Agreement unless the context otherwise requires.
- Any statement qualified by reference to a Party's state of knowledge, belief or awareness will be deemed to include an additional statement that it has been made after due and careful enquiry before making it, and the Party has made such enquiry as it would reasonably be expected to have made, except that nothing in this Agreement shall require the University to have performed prior art searches or enquiries as to title in relation to any of the Assigned Rights or the Licensed Know-How.
- 2.8 Any negative obligation imposed on any Party will be construed as if it were also an obligation not to permit or suffer so far as is reasonably practicable the act or thing to be done by any employee of that Party or any agent or subcontractor (and any employee of such agent or subcontractor) of that Party, and any positive obligation imposed on any Party will be construed as if it were also an obligation to procure that the act or thing in question be done by such persons.
- 2.9 Where a Party would otherwise be prevented from performing, or is hindered in its performance of, its obligations as a result of the acts or omissions of another Party, it will take reasonable steps to enable it to perform the obligations to the extent that they can still be performed and to otherwise mitigate the impact of the other's acts or omissions.
- 2.10 A reference to any provision of this Agreement is to that provision as amended in accordance with the terms of this Agreement.

3. ASSIGNMENT

- 3.1 In consideration of the sum of £1, receipt of which is hereby acknowledged, the University hereby assigns to Airbus, all past, present and future right, title and interest that the University has in and to the Assigned Rights, including the assignment and transfer of:
 - (a) any invention disclosed in, or relating to, the Technology; the right to file an application for a patent in respect of any such invention, and to claim priority from such application; and the right to prosecute and obtain grant of patent or similar protection in, or in respect of, any country or territory in the world in respect of the Technology;
 - (b) all patents that may be granted pursuant to any Patent Applications, as well as all patents that may derive priority from, or have equivalent claims to, or be based on, the Patent Applications in any country in the world; and
 - (c) all rights of action, powers and benefits arising from ownership of the Intellectual Property Rights in the Technology, including the right to sue for damages and other legal and equitable remedies (and retain any financial award made in any action) in respect of all causes of action arising prior to, on, or after, the date of this Agreement.

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| 3y Matthew Beatson (Head of IP Operations UK) |
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| Date H. D. EL 6M OGA, 2018 |
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| Signed for, and on behalf of, the University of Bristol |
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| Print Name NETL BROOTHW |
| THE DIRECTOR OF ENTERPENE |
| nata 17/12/18 |

Schedule 1

Technology

1. Technology

- 1.1 For the purpose of this Agreement, "Technology" means the following:
- 1.2 All ideas, concepts, specifications, designs, models, prototypes, techniques, tools, diagrams, outlines, descriptions and other documentation, information, data, and all other technology of any kind relating to the Inventions described in the Patent Applications.

2. Patent Applications

RECORDED: 07/23/2019

For the purpose of this Agreement "Patent Applications" means the patent applications whose short particulars are as follows:

| Application no | Date filed | Title |
|-------------------------------------|------------------|----------------------------------|
| GB1615213.4 | 7 September 2016 | Vacuum forming a laminate charge |
| PCT/GB2017/0 6 September 2017 52591 | | Vacuum forming a laminate charge |

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PATENT REEL: 049838 FRAME: 0866