

## 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>           |
| UNIVERSITY OF SOUTHAMPTON   | 12/09/2022                      |
| <b>RECEIVING PARTY DATA</b>   |                                 |
| <b>Name:</b>  | HONEYWELL INTERNATIONAL INC.    |
| <b>Street Address:</b>  | 855 S. MINT STREET              |
| <b>City:</b>  | CHARLOTTE                       |
| <b>State/Country:</b>   | NORTH CAROLINA                  |
| <b>Postal Code:</b>   | 28202                           |
| <b>PROPERTY NUMBERS Total: 2</b>  |                                 |
| <b>Property Type</b>  | <b>Number</b>                   |
| <b>Application Number:</b>  | 17902274                        |
| <b>Application Number:</b>  | 17266408                        |
| <b>CORRESPONDENCE DATA</b>  |                                 |
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| <b>ATTORNEY DOCKET NUMBER:</b>  | H222863                         |
| <b>NAME OF SUBMITTER:</b>   | EMILY J. VANDYCK                |
| <b>SIGNATURE:</b>   | /Emily J. Vandyck/              |
| <b>DATE SIGNED:</b>   | 12/23/2022                      |
| <b>Total Attachments: 3</b>   |                                 |
| source=Signed University of Southampton to Honeywell US Patent Confirmatory Assignment (01067925xA42DA)#page1.tif   |                                 |
| source=Signed University of Southampton to Honeywell US Patent Confirmatory Assignment (01067925xA42DA)#page2.tif   |                                 |
| source=Signed University of Southampton to Honeywell US Patent Confirmatory Assignment (01067925xA42DA)#page3.tif   |                                 |

## **ASSIGNMENT**

THIS ASSIGNMENT ("Assignment") is made by and between the University of Southampton, a public university with its principal place of business at University Road, Highfield, Southampton SO17 1BJ, United Kingdom ("Assignor" or the "UOS"), and Honeywell International, Inc. a Delaware corporation having a place of business at 300 S. Tryon Street, Suite 600, Charlotte, North Carolina 28202, including its successors and assigns (hereinafter individually and collectively referred to as "Assignee") ("Assignee").

WHEREAS, the Assignor is the original owner in the right, title and interest in and to invention entitled "INTERFEROMETRIC OPTICAL FIBRE SENSORS" with priority date 7<sup>th</sup> August 2018, particulars of which are set out in schedule below, (the "Patents") (the "Patents");

WHEREAS, the Assignor has agreed to assign all of its rights, title, and interest in, to and under each of the Patents to Assignee under the terms of that certain research agreement, between Assignor and Assignee, dated as of 21<sup>st</sup> April 2021 and effective as from 6<sup>th</sup> August 2020 ("Sponsored Research Agreement");

WHEREAS, the Assignor and the Assignee have agreed to execute this Assignment for the purposes of recordal of the assignment in said Patents at the patent offices of the United States and all other countries of the world (including but not limited to US PTO, EPO and CIPO.

NOW, THEREFORE, in consideration of the foregoing premises and the mutual promises hereunder and for other good and valuable consideration incorporated in said Sponsored Research Agreement, the receipt and sufficiency of which is hereby acknowledged:

### **ASSIGNMENT AND GRANT BACK LICENCE:**

1. Now, effective from 1<sup>st</sup> November 2022, the Assignor hereby sells, assigns, transfers, conveys, grants and sets over to Assignee, the Assignor's entire right, title, and interest in, to, and under the Patents, and all patents, patent applications, foreign patents, foreign patent applications, continuations, continuations-in-part, divisionals, extensions, substitutions, renewals, reissues and re-examination certificates that may issue thereon and claim priority to the Patents, including without limitation, all rights to claim priority on the basis thereof, all rights to sue for past, present and future infringement, including the right to collect and receive any damages, royalties, or settlements for the infringements, all rights to sue for injunctive or other equitable relief, and any and all causes of action relating to any of the inventions thereof.
2. The Assignor authorizes and requests the United States Patent and Trademark Office and/or head of any foreign patent office, to issue all patents which may issue on an application for any patent representing the Patents, as the case may be, to Assignee, its successors and assigns, in accordance with this Assignment.
3. Upon the Assignment at (1) above, the Assignee grants back to the Assignor:
  - 3.i a non-exclusive, royalty-free, irrevocable, perpetual, worldwide licence to use the Patents for teaching and research purposes (including projects funded by a third party, subject to terms of the Sponsored Research Agreement) in the Honeywell Field, as defined in the Sponsored Research Agreement. The University shall not grant any sub-

licence and it shall not permit any third party to acquire any rights for commercial use over the Patents in the Honeywell Field; and

- 3.ii an exclusive, royalty free, irrevocable, perpetual, worldwide licence, including the right to grant sub-licences and sub-sub licences to any number of tiers, to use the Patents for any purpose outside of the Honeywell Field including, but not limited to, the manufacture, to have manufactured, use, sale, offer for sale, importation, reproduction and distribution of products or services.

Each of the Assignor and Assignee hereby agrees that all other matters, rights and obligations in relation to the subject matter of this Assignment including any warranties, covenants, and liabilities together with the management of any dispute or claim relating to the same shall be governed by the Sponsored Research Agreement.

IN WITNESS WHEREOF, UOS has caused this assignment and transfer to be executed by its duly authorized officer, representative or agent as of this 9<sup>th</sup> day of December, 2022.

**University of Southampton**

By: David Woolley

Name: David Woolley

Title: Head of Technology Transfer and IP

Date Signed: 09-Dec-2022

**ACCEPTED AND AGREED by:**

**HONEYWELL INTERNATIONAL INC.**

By: Jennifer Webster

Name: Jennifer webster

Title: Director Strategic Sourcing

Date Signed: 08-Dec-2022

## THE SCHEDULE

| Status                 | Patent Application Number | Country | Filing date      | Title                                 |
|------------------------|---------------------------|---------|------------------|---------------------------------------|
| Lapsed – priority only | 1812744.9                 | UK      | 7 August 2018    | INTERFEROMETRIC OPTICAL FIBRE SENSORS |
| Expired                | PCT/GB2019/052189         | PCT     | 5 August 2019    | INTERFEROMETRIC OPTICAL FIBRE SENSORS |
| Pending Published      | 17/266,408                | US      | 5 August 2019    | INTERFEROMETRIC OPTICAL FIBRE SENSORS |
| Pending                | 17/902,274 (Divisional)   | US      | 2 September 2022 | INTERFEROMETRIC OPTICAL GYROSCOPE     |
| Pending Published      | 19752244.4 EP3834021      | Europe  | 5 August 2019    | INTERFEROMETRIC OPTICAL FIBRE SENSORS |
| Pending Published      | 201980059347.4 112740086  | China   | 5 August 2019    | INTERFEROMETRIC OPTICAL FIBRE SENSORS |