

PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| MALCOLM MACDONALD | 01/07/2022 |
| KATHRYN L. KIRSCH | 12/10/2021 |
| ABBAS A. ALAHYARI | 12/12/2021 |
| RECEIVING PARTY DATA | |
| Name: | RAYTHEON TECHNOLOGIES CORPORATION |
| Street Address: | 870 WINTER STREET |
| City: | WALTHAM |
| State/Country: | MASSACHUSETTS |
| Postal Code: | 02451 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 17644017 |
| CORRESPONDENCE DATA | |
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| <i>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.</i> | |
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| ATTORNEY DOCKET NUMBER: | 130640US01-U200-012324 |
| NAME OF SUBMITTER: | BOYD B. BLACK |
| SIGNATURE: | /Boyd B. Black/ |
| DATE SIGNED: | 01/14/2022 |
| This document serves as an Oath/Declaration (37 CFR 1.63). | |
| Total Attachments: 2 | |
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| source=2022-01-14_ASSIGN_130640US01-U200-012324-Macdonald#page2.tif | |

ASSIGNMENT

WHEREAS, Malcolm MacDonald, Kathryn L. Kirsch, and Abbas A. Alahyari of 411 Silver Lane, East Hartford, CT 06118 have invented certain improvements in

ADDITIVE AIRFOIL HEAT EXCHANGER

identified as Attorney Docket No. 130640US01-U200-012324 and described in a patent application as further identified herein below, and

WHEREAS, RAYTHEON TECHNOLOGIES CORPORATION, a corporation organized and existing under and by virtue of the laws of the State of Delaware, and having an office and place of business at 870 Winter Street, Waltham, MA 02451 (hereinafter Assignee), is desirous of acquiring the entire worldwide right, title and interest in and to said invention or inventions and any and all patents, utility models, design patents or other industrial property rights to be obtained therefore;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned does hereby sell, assign, transfer and set over unto Assignee, its successors and assigns, to the extent owned or assignable by the undersigned, all right, title and interest in and to:

- said invention or inventions, as described in the aforesaid patent application, in any form or embodiment thereof, and in and to the aforesaid application;
- any application filed in any country, jurisdiction or other authority based thereon, including direct or indirect nonprovisional, divisional, continuation-in-part or substitute applications, and including the right to file said applications under the provisions of the Paris Convention for the Protection of Industrial Property, the Patent Cooperation Treaty or other international convention or agreement;
- any and all patents or reissues or extensions thereof to be obtained in any country, jurisdiction or other authority which may be filed upon said invention or inventions in any country or other authority;
- all such rights relating to prior infringements, retroactive or past royalties, provisional rights, and other retroactive or past relief or compensation.

The undersigned hereby authorizes and requests the issuing authority to issue any and all patents on said application or applications to Assignee or its successors and assigns.


The undersigned further authorizes and agrees that Assignee can pursue any and all claims that are enabled by any patent application associated with the invention or inventions.

The undersigned further agrees, to communicate to Assignee, its representatives or agents or its successors and assigns, any facts relating to said invention or inventions including evidence for interference purposes or for other legal proceedings whenever requested; testify in any interference or other legal proceedings, whenever requested; execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective; and generally do everything possible to aid Assignee, its successors or assigns and nominees to obtain and enforce proper patent protection for said invention or inventions in any country.


The undersigned hereby authorizes the Assignee to insert the application number and filing date of the above-noted international patent application into the following spaces, when known:

Application No. 17/644,017
Country or Receiving Office: UNITED STATES
Filing Date: December 13, 2021
Inventors: Malcolm MacDonald,
Kathryn L. Kirsch, and
Abbas A. Alahyari


IN TESTIMONY WHEREOF, the undersigned has hereunto set her/his hand and seal on the date after her/his signature.


Malcolm MacDonald

Date: 1/7/2022


Kathryn L. Kirsch

Date: 12/10/21


Abbas A. Alahyari

Date: 12/12/2021