

<b>PATENT ASSIGNMENT COVER SHEET</b>
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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>
TOSHIBA HOKUTO ELECTRONICS CORPORATION	11/10/2020
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<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16263499
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<b>SIGNATURE:</b>	/Frederick D. Kim/
<b>DATE SIGNED:</b>	12/17/2020
<b>Total Attachments: 4</b>	
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source=TTEC2225USC01_20201217_ASG#page4.tif	

## PATENT ASSIGNMENT

This PATENT ASSIGNMENT, dated as of October 8, 2020 (the "Effective Date"), is made by Toshiba Hokuto Electronics Corporation, a Japanese corporation having a business address at 23-1975, Minami 5-Jodori, Asahikawa-Shi, Hokkaido, 078-8335, Japan ("Assignor") and Toshiba Tec Kabushiki Kaisha, a Japanese corporation having a business address at 1-11-1, Osaki, Shinagawa-ku, Tokyo, 141-8562, Japan ("Assignee").

WHEREAS, Assignor and Assignee presently are the joint owners of all right, title, and interest in and to the United States patents and patent applications listed in Schedule A; and

WHEREAS Assignor wishes to assign, and Assignee wishes to obtain, all of Assignor's right, title, and interest in and to the United States patents and patent applications listed in Schedule A.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged:

1. Assignment. Assignor hereby assigns, conveys, sets over, and transfers to Assignee all of its right, title and interest in and to the patents and patent applications listed in Schedule A hereto, and any continuations, continuations-in-part, divisionals, extensions, reissues, renewals, revivals, reexamination certificates, supplemental examination certificates, intervenor certificates, post grant review certificates, inter partes review certificates, or otherwise, as well as any and all claims and causes of action arising out of, or related to, the patents and patent applications listed in Schedule A hereto, whether accruing before, on, or after the Effective Date, including, but not limited to, all rights to, claims for, and recovery of damages, restitution, and injunctive and other legal and/or equitable relief for past, present and future infringement, misappropriation, violation, misuse, breach, or default, with the right, but no obligation to, petition or sue for, or otherwise seek, such legal and equitable relief and to collect, or otherwise recover, any such damages.

2. Representations and Warranties. Assignor hereby represents and warrants to Assignee that, as of the Effective Date, (a) Assignor possesses, and has the full right, power, and authority to assign and transfer to Assignee all of Assignor's right, title, and interest in and to the patents and patent applications listed in Schedule A hereto; and (b) Assignor has not entered, and will not enter, into any assignment, contract, or understanding in conflict with this Patent Assignment.

3. Disclaimer. Except as expressly provided in this Patent Assignment, Assignor makes no other representations, warranties, covenants, agreements, or indemnities, and hereby disclaims all implied warranties with respect to the validity or enforceability of, or Assignor's or Assignee's ability to enforce the patents or obtain patent protection from, any pending patent application listed in Schedule A hereto.

4. Successors and Assigns. The terms and covenants of this agreement shall inure to the benefit of Assignee, its successors, assigns, and other legal representatives, and shall be binding upon Assignor, its respective heirs, legal representatives, and assigns.

5. Entire Agreement. This Patent Assignment (and Schedule A hereto) constitutes the sole and entire agreement of the parties with respect to the subject matter contained herein and supersedes all prior and contemporaneous understandings and agreements, both written and oral, with respect to such subject matter.

6. Counterparts. This Patent Assignment may be executed in counterparts, each of which shall be deemed an original, but all of which together shall be deemed to be one and the same agreement. A signed copy of this Patent Assignment delivered by facsimile, e-mail, or other means of electronic transmission shall be deemed to have the same legal effect as delivery of an original signed copy of this Patent Assignment.

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IN WITNESS WHEREOF, the Assignor has executed and delivered this instrument to Assignee on the dates indicated below.

November 10, 2020  
Date

N. Murakawa

Norio MURAKAWA

President

For Assignor

Dec. 4, 2020  
Date

Yuji Uchigasaki

Yuji UCHIGASAKI

General Manager, Intellectual Property Division

For Assignee

**Schedule A**

**U.S. Patent Rights Assigned to Toshiba Tec Kabushiki Kaisha**

<b>ISSUED PATENTS</b>			
<b>Title</b>	<b>U.S. Patent No.</b>	<b>U.S. Application No.</b>	<b>Issue Date</b>
Heater and Fixing Device	10,254,690	15/621,583	April 9, 2019
Heater and Fixing Device	10,620,573	16/268,011	April 14, 2020
Heater and Heating Apparatus	10,228,642	15/621,670	March 12, 2019
Heater and Heating Apparatus	10,527,986	16/263,499	January 7, 2020

<b>PENDING APPLICATIONS</b>			
<b>Title</b>	<b>U.S. Publication No.</b>	<b>U.S. Application No.</b>	<b>Filing Date</b>
Heater and Fixing Apparatus	2020-0249607 A1	16/814,318	March 10, 2020
Heater and Fixing Device	2020-0201222 A1	16/808,255	March 3, 2020
Heater and Heating Apparatus	2020-0103801 A1	16/700,599	December 2, 2019