

## PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

EPAS ID: PAT7329533

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
VICTORIA STEELE	05/09/2022
STEVEN KEITH ROOT	05/10/2022
MARK THOMAS FRYMAN	05/06/2022
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	HAIER US APPLIANCE SOLUTIONS, INC.
<b>Street Address:</b>	CORPORATION TRUST CENTER
<b>Internal Address:</b>	1209 ORANGE STREET
<b>City:</b>	WILMINGTON
<b>State/Country:</b>	DELAWARE
<b>Postal Code:</b>	19801
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	17743825
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(864)233-7342
<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>	
<b>Phone:</b>	8642711592
<b>Email:</b>	usdocketing@dority-manning.com, aschaible@dority-manning.com
<b>Correspondent Name:</b>	DORITY & MANNING, PA AND HAIER US APPL
<b>Address Line 1:</b>	POST OFFICE BOX 1449
<b>Address Line 4:</b>	GREENVILLE, SOUTH CAROLINA 29602
<b>ATTORNEY DOCKET NUMBER:</b>	503993US01/HUSA-1805
<b>NAME OF SUBMITTER:</b>	SAMUEL W. NEWBERRY
<b>SIGNATURE:</b>	/Samuel W. Newberry/
<b>DATE SIGNED:</b>	05/13/2022
<b>Total Attachments: 6</b>	
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source=503993US01\_Assignment\_Fryman\_EXECUTED\_HUSA-1805#page1.tif  
source=503993US01\_Assignment\_Fryman\_EXECUTED\_HUSA-1805#page2.tif

**ASSIGNMENT OF WORLDWIDE RIGHTS**

**WHEREAS**, I, Victoria Steele, residing in Louisville, Kentucky, as assignor, have made an invention entitled

**“MOTOR IDENTIFICATION BY FILTER DETERMINATION”**

as described in a patent application, the specification of which:

- ☐ is attached hereto.
- ☒ was filed on May 13, 2022 as U.S. Application Serial No. 17/743,825.
- ☐ was filed on \_\_\_\_\_ as PCT Application Serial No. \_\_\_\_\_.

**WHEREAS**, Haier US Appliance Solutions, Inc., Corporation Trust Center, 1209 Orange Street, Wilmington, Delaware 19801, as assignee, is desirous of securing the entire right, title and interest in and to this invention in all countries throughout the world, and in and to the patent application on this invention and any Letters Patent to be issued upon this patent application;

**NOW, THEREFORE**, be it known that for good and valuable consideration the receipt of which from assignee is hereby acknowledged, I, as assignor, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, my entire right, title, and interest in and to this invention and this patent application, and all divisions, and continuations thereof, and all Letters Patent which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such applications, and all applications for Letters Patent which may hereafter be filed for this invention in any country and all Letters Patent which may be granted on this invention in any country, and all extensions, renewals, and reissues thereof, and all rights to sue and recover for past, present, and future infringement thereof, and I hereby authorize and request the Commissioner for Patents of the United States and any official of any other country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment, and I hereby authorize the assignee, its successors and assigns, and the attorney(s) of record in applications as described above to modify this Assignment, subsequent to its execution, to more specifically identify the applications as described above.

**AND, I HEREBY** covenant that I have the full right to convey the interest assigned by this Assignment, and I have not executed, and will not execute any agreement in conflict with this Assignment;

**AND, I HEREBY** further covenant and agree that I will, without further consideration, communicate with assignee, its successors and assigns, any facts known to me respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title of this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any other country, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

**IN WITNESS WHEREOF**, Assignor has executed this document on the date indicated below.

Victoria Steele  
Victoria Steele

5/9/2022  
Date

**ASSIGNMENT OF WORLDWIDE RIGHTS**

**WHEREAS**, I, Steven Keith Root, residing in Buckner, Kentucky, as assignor, have made an invention entitled

**“MOTOR IDENTIFICATION BY FILTER DETERMINATION”**

as described in a patent application, the specification of which:

- ☐ is attached hereto.
- ☒ was filed on May 13, 2022 as U.S. Application Serial No. 17/743,825.
- ☐ was filed on \_\_\_\_\_ as PCT Application Serial No. \_\_\_\_\_.

**WHEREAS**, Haier US Appliance Solutions, Inc., Corporation Trust Center, 1209 Orange Street, Wilmington, Delaware 19801, as assignee, is desirous of securing the entire right, title and interest in and to this invention in all countries throughout the world, and in and to the patent application on this invention and any Letters Patent to be issued upon this patent application;

**NOW, THEREFORE**, be it known that for good and valuable consideration the receipt of which from assignee is hereby acknowledged, I, as assignor, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, my entire right, title, and interest in and to this invention and this patent application, and all divisions, and continuations thereof, and all Letters Patent which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such applications, and all applications for Letters Patent which may hereafter be filed for this invention in any country and all Letters Patent which may be granted on this invention in any country, and all extensions, renewals, and reissues thereof, and all rights to sue and recover for past, present, and future infringement thereof, and I hereby authorize and request the Commissioner for Patents of the United States and any official of any other country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment, and I hereby authorize the assignee, its successors and assigns, and the attorney(s) of record in applications as described above to modify this Assignment, subsequent to its execution, to more specifically identify the applications as described above.

**AND, I HEREBY** covenant that I have the full right to convey the interest assigned by this Assignment, and I have not executed, and will not execute any agreement in conflict with this Assignment;

**AND, I HEREBY** further covenant and agree that I will, without further consideration, communicate with assignee, its successors and assigns, any facts known to me respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title of this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any other country, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

**IN WITNESS WHEREOF**, Assignor has executed this document on the date indicated below.

/Steven Keith Root/

Steven Keith Root

05/10/2022

Date

**ASSIGNMENT OF WORLDWIDE RIGHTS**

**WHEREAS**, I, Mark Thomas Fryman, residing in Louisville, Kentucky, as assignor, have made an invention entitled

**“MOTOR IDENTIFICATION BY FILTER DETERMINATION”**

as described in a patent application, the specification of which:

- ☐ is attached hereto.
- ☒ was filed on May 13, 2022 as U.S. Application Serial No. 17/743,825.
- ☐ was filed on \_\_\_\_\_ as PCT Application Serial No. \_\_\_\_\_.

**WHEREAS**, Haier US Appliance Solutions, Inc., Corporation Trust Center, 1209 Orange Street, Wilmington, Delaware 19801, as assignee, is desirous of securing the entire right, title and interest in and to this invention in all countries throughout the world, and in and to the patent application on this invention and any Letters Patent to be issued upon this patent application;

**NOW, THEREFORE**, be it known that for good and valuable consideration the receipt of which from assignee is hereby acknowledged, I, as assignor, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, my entire right, title, and interest in and to this invention and this patent application, and all divisions, and continuations thereof, and all Letters Patent which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such applications, and all applications for Letters Patent which may hereafter be filed for this invention in any country and all Letters Patent which may be granted on this invention in any country, and all extensions, renewals, and reissues thereof, and all rights to sue and recover for past, present, and future infringement thereof, and I hereby authorize and request the Commissioner for Patents of the United States and any official of any other country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment, and I hereby authorize the assignee, its successors and assigns, and the attorney(s) of record in applications as described above to modify this Assignment, subsequent to its execution, to more specifically identify the applications as described above.

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**IN WITNESS WHEREOF**, Assignor has executed this document on the date indicated below.

Mark Thomas Fryman  
Mark Thomas Fryman

5/6/2022  
Date