504235628 02/20/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4282305

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ALI R. BUENDIA	11/03/2016
FARHAD ASHRAF	09/29/2016
MOEED MUKHTAR	09/20/2016

RECEIVING PARTY DATA

Name:	WHIRLPOOL CORPORATION
Street Address:	2000 NORTH M-63
City:	BENTON HARBOR
State/Country:	MICHIGAN
Postal Code:	49022

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15207808

CORRESPONDENCE DATA

Fax Number: (269)923-5778

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.

Email: mike lafrenz@whirlpool.com, ptomail@priceheneveld.com

Correspondent Name: PRICE HENEVELD/GREGORY LEWIS

Address Line 1: 695 KENMOOR SE Address Line 2: PO BOX 2567

Address Line 4: GRAND RAPIDS, MICHIGAN 49501

ATTORNEY DOCKET NUMBER:	SUB-01228-US-CNT
NAME OF SUBMITTER:	GREGORY A. LEWIS
SIGNATURE:	/Gregory A. Lewis/
DATE SIGNED:	02/20/2017
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 3

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Atty Docket: SUB-01228-US-CNT

COMBINED ASSIGNMENT AND DECLARATION FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET

	THIS DOCUMENT IS BEING SUBMITTED FOR DUAL PURPOSES
Title of Invention	BOIL AND BOIL-DRY DETECTION SYSTEMS FOR COOKING APPLIANCES USING VIBRATION SENSORS
This declaration [ed inventor, I hereby declare that: The attached application, or White the states application or PCT international application number 15/207,808 filed on July 12, 2016.
The above-identific	ed application was made or authorized to be made by me.
I believe that I am	the original inventor or an original joint inventor of a claimed invention in the application.
	I reviewed and understand the contents of the above-identified specification, including the claims. I uty to disclose information material to patentability of this application in accordance with 37 C.F.R §1.56.
-	dge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or ot more than five (5) years, or both.
M-63, Benton Harl	RLPOOL CORPORATION (hereinafter referred to as "ASSIGNEE") having places of business at 2000 North bor, Michigan 49022, U.S.A. is desirous of acquiring the entire right, title and interest in and to said invention s and throughout the world;
receipt and sufficient unto said ASSIGN including any and and reissue of said including the right accorded ASSIGNO treaties; and the entitles in the said including the right accorded to the entitle in the said including the right accorded to the said including the right accorded to the said including the right accorded to the said including the said inc	RE, in accord with my obligations by law and/or agreement, and/or for good and valuable consideration, the ency of are hereby acknowledged, I (hereinafter referred to as "ASSIGNOR") hereby sell, assign and transfer EE, the entire right, title and interest in and to said invention and application throughout the United States, all United States Letters Patent granted on any division, continuation, continuation-in-part, reexamination application; and the entire right, title and interest in and to the said invention throughout the world, to apply for patents and inventor certificates in respect thereof and to claim priority pursuant to rights OR under terms of the Paris International Convention and all other available international conventions and tire right, title and interest in and to any and all patents, patents of addition, utility models, patents of dation patents and inventor certificates which may be granted throughout the world in respect of said
prosecution and m and in foreign cour ASSIGNEE in and but at no expense t information concer testimony on beha defense of any pate	R hereby agrees to execute any documents that legally may be required in connection with the filing, aintenance of said application or any other patent application(s) or inventor certificate(s) in the United States intries for said invention, including additional documents that may be required to affirm the rights of to said invention, all without further consideration. ASSIGNOR also agrees, without further consideration to ASSIGNOR, to identify and communicate to ASSIGNEE at ASSIGNEE'S request documents and ming the invention that are within ASSIGNOR'S possession or control and to provide further assurances and left of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance and ent application or patent encompassed within the terms of this instrument. ASSIGNOR'S obligations under all extend to ASSIGNOR'S heirs, executors, administrators and other legal representatives.
Letters Patent refer ASSIGNEE'S sole u end of the term for	by authorizes and requests the Commissioner of Patents and Trademarks to issue any and all United States cred to above to ASSIGNEE, as the ASSIGNEE of the entire right, title and interest in and to the same, for use and behoof; and for the use and behoof of ASSIGNEE'S legal representatives and successors, to the full which such Letters Patent may be granted, as fully and entirely as the same would have been held by is agreement and sale not been made.
	orizes any member or representative of WHIRLPOOL CORPORATION to insert or complete any information eeded to effect its recordal in the U.S. Patent and Trademark Office.
	$^{\prime\prime}$
LEGAL NAME OF	FINVENTOR
Inventor: Ali R. Buen	dia Garcia Signature: Ali Bendia
Date: 1/3/3/	2016

Atty Docket: SUB-01228-US-CNT

COMBINED ASSIGNMENT AND DECLARATION FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET

	THIS DOCUMENT IS BEING SUBMITTED FOR DUAL PURPOSES
Title of	BOIL AND BOIL-DRY DETECTION SYSTEMS FOR COOKING APPLIANCES
Invention	USING VIBRATION SENSORS
This declaration	ed inventor, I hereby declare that: The attached application, or United States application or PCT international application number 15/207,808 filed on July 12, 2016.
The above-identifi	ed application was made or authorized to be made by me.
I believe that I am	the original inventor or an original joint inventor of a claimed invention in the application.
I hereby state that I reviewed and understand the contents of the above-identified specification, including the claims. I acknowledge the duty to disclose information material to patentability of this application in accordance with 37 C.F.R §1.56.	
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.	
M-63, Benton Har	RLPOOL CORPORATION (hereinafter referred to as "ASSIGNEE") having places of business at 2000 North bor, Michigan 49022, U.S.A. is desirous of acquiring the entire right, title and interest in and to said invention as and throughout the world;
receipt and sufficie unto said ASSIGN including any and and reissue of said including the right accorded ASSIGNO treaties; and the er	RE, in accord with my obligations by law and/or agreement, and/or for good and valuable consideration, the ency of are hereby acknowledged, I (hereinafter referred to as "ASSIGNOR") hereby sell, assign and transfer IEE, the entire right, title and interest in and to said invention and application throughout the United States, all United States Letters Patent granted on any division, continuation, continuation-in-part, reexamination application; and the entire right, title and interest in and to the said invention throughout the world, to apply for patents and inventor certificates in respect thereof and to claim priority pursuant to rights OR under terms of the Paris International Convention and all other available international conventions and natire right, title and interest in and to any and all patents, patents of addition, utility models, patents of idation patents and inventor certificates which may be granted throughout the world in respect of said
ALSO, ASSIGNOR hereby agrees to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of said application or any other patent application(s) or inventor certificate(s) in the United States and in foreign countries for said invention, including additional documents that may be required to affirm the rights of ASSIGNEE in and to said invention, all without further consideration. ASSIGNOR also agrees, without further consideration but at no expense to ASSIGNOR, to identify and communicate to ASSIGNEE at ASSIGNEE'S request documents and information concerning the invention that are within ASSIGNOR'S possession or control and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance and defense of any patent application or patent encompassed within the terms of this instrument. ASSIGNOR'S obligations under this instrument shall extend to ASSIGNOR'S heirs, executors, administrators and other legal representatives.	
ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent referred to above to ASSIGNEE, as the ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE'S sole use and behoof; and for the use and behoof of ASSIGNEE'S legal representatives and successors, to the full end of the term for which such Letters Patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR had this agreement and sale not been made.	
	orizes any member or representative of WHIRLPOOL CORPORATION to insert or complete any information needed to effect its recordal in the U.S. Patent and Trademark Office.
LEGAL NAME OF	FINVENTOR
Inventor: Farhad Asl	hrafzadeh Signature: + ABWA
Date: <u>09/2</u>	9/16

COMBINED ASSIGNMENT AND DECLARATION FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET

	THIS DOCUMENT IS BEING SUBMITTED FOR DUAL PURPOSES
Title of	BOIL AND BOIL-DRY DETECTION SYSTEMS FOR COOKING APPLIANCES
Invention	USING VIBRATION SENSORS
As the below name	ed inventor, I hereby declare that: The attached application, or Original PCT international application number 15/207,808, filed on July 12, 2016.
The above-identifi	ed application was made or authorized to be made by me.
	the original inventor or an original joint inventor of a claimed invention in the application.
I hereby state that acknowledge the	I reviewed and understand the contents of the above-identified specification, including the claims. I duty to disclose information material to patentability of this application in accordance with 37 C.F.R §1.56.
I hereby acknowle	edge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or not more than five (5) years, or both.
WHEREAS, WHI M-63, Benton Ha in the United Stat	RLPOOL CORPORATION (hereinafter referred to as "ASSIGNEE") having places of business at 2000 North rbor, Michigan 49022, U.S.A. is desirous of acquiring the entire right, title and interest in and to said invention es and throughout the world;
NOW, THEREFO receipt and sufficunto said ASSIGN including any and and reissue of sai including the righ accorded ASSIGN treaties, and the elimportation, revaluention.	ORE, in accord with my obligations by law and/or agreement, and/or for good and valuable consideration, the iency of are hereby acknowledged, I (hereinafter referred to as "ASSIGNOR") hereby sell, assign and transfer NEE, the entire right, title and interest in and to said invention and application throughout the United States, I all United States Letters Palent granted on any division, continuation, continuation-in-part, reexamination displication; and the entire right, title and interest in and to the said invention throughout the world, in to apply for patents and inventor certificates in respect thereof and to claim priority pursuant to rights NOR under terms of the Paris International Convention and all other available interpational conventions and entire right, title and interest in and to any and all patents, patents of addition, utility models, patents of didation patents and inventor certificates which may be granted throughout the world in respect of said
prosecution and and in foreign co ASSIGNEE in an but at no expense information concestimony on bet defense of any pathis instrument s	OR hereby agrees to execute any documents that legally may be required in connection with the filing, maintenance of said application or any other patent application(s) or inventor certificate(s) in the United States untries for said invention, including additional documents that may be required to affirm the rights of d to said invention, all without further consideration. ASSIGNOR also agrees, without further consideration is to ASSIGNOR, to identify and communicate to ASSIGNEE at ASSIGNEE'S request documents and terming the invention that are within ASSIGNOR'S possession or control and to provide further assurances and half of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance and atent application or patent encompassed within the terms of this instrument. ASSIGNOR'S obligations under half extend to ASSIGNOR'S heirs, executors, administrators and other legal representatives.
Letters Patent re: ASSIGNEE'S sole end of the term to ASSIGNOR had	eby authorizes and requests the Commissioner of Palents and Trademarks to issue any and all United States ferred to above to ASSIGNEE, as the ASSIGNEE of the entire right, title and interest in and to the same, for a use and behoof; and for the use and behoof of ASSIGNEE'S legal representatives and successors, to the full for which such Letters Patent may be granted, as fully and entirely as the same would have been held by this agreement and sale not been made.
ASSIGNOR aut in this documen	horizes any member or representative of WHIRLPOOL CORPORATION to insert or complete any informatio t needed to effect its recordal in the U.S. Patent and Trademark Office.
LEGAL NAME: Inventor: <u>Moeed</u> Date: <u>SEP</u>	Mukhtar Signature:

RECORDED: 02/20/2017