#### 505566344 07/11/2019

### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5613141

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
KEVIN B. AYERS	01/07/2016
ABHIJEET BHATTACHARYA	01/11/2016
SETH E. BIXBY	01/07/2016
ANDREW KUBASIAK	01/07/2016
MICHAEL R. MACKAY	12/21/2015
DAVID MILLER	04/19/2018

#### **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:	29697777	

#### **CORRESPONDENCE DATA**

Fax Number:

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: pto@priceheneveld.com, mike\_lafrenz@whirlpool.com
Correspondent Name: PRICE HENEVELD LLP WHIRLPOOL CORPORATION

Address Line 1: 2000 NORTH M-63

Address Line 4: BENTON HARBOR, UNITED STATES 49022

ATTORNEY DOCKET NUMBER:	SUB-08223-US-DCO_P[2]	
NAME OF SUBMITTER:	MICHAEL T. HAGES	
SIGNATURE:	/Michael T. Hages/	
DATE SIGNED:	07/11/2019	
	This document serves as an Oath/Declaration (37 CFR 1.63).	
Total Attachments C		

Total Attachments: 6

PATENT REEL: 049723 FRAME: 0862

505566344



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

	THIS DOCUMENT IS BEING SUBMITTED FOR DUAL PURPOSES	
Title of	WASHING MACHINE	
Invention		
	ed inventor, I hereby declare that:  The attached application, or  United States application or PCT international application number	
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 reviewed and understand the contents of the above-identified specification, including the claims. I luty to disclose information material to patentability of this application in accordance with 37 C.F.R §1.56.	
•	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.	
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 ASSIGNe 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 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 attire 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	
prosecution and m and in foreign cour ASSIGNEE in and but at no expense to information concert testimony on behat defense of any pate	R hereby agrees to execute any documents that legally may be required in connection with the filing, naintenance 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 rining the invention that are within ASSIGNOR'S possession or control and to provide further assurances and lf 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.	
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 <b>WHIRLPOOL CORPORATION</b> to insert or complete any information needed to effect its recordal in the U.S. Patent and Trademark Office.	
LEGAL NAME OF	INVENTOR	
Inventor: Kevin B. Av	M: And	
Date: /.67.	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	WASHING MACHINE
Invention	
	ed inventor, I hereby declare that:  The attached application, or  United States application or PCT international application number filed on
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 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.
	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.
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 sufficient unto said ASSIGN including any and and reissue of said including the right accorded ASSIGN treaties; and the entire including the entire including the said including the right accorded ASSIGN treaties; and the entire including the said i	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 native 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
prosecution and m and in foreign cour ASSIGNEE in and but at no expense to information concert testimony on behat defense of any pate	R hereby agrees to execute any documents that legally may be required in connection with the filing, naintenance of said application or any other patent application(s) or inventor certificate(s) in the United States ntries 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 rning the invention that are within ASSIGNOR'S possession or control and to provide further assurances and lf 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 rred 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 r which such Letters Patent may be granted, as fully and entirely as the same would have been held by his 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: Abhijeet B	TW
Date: 01/1	1/16

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

mid C	L WASHING A AASHING	THIS DOCUMENT IS BEING SUBMITTED FOR DUAL PURPOSES
Title of Invention	WASHING MACHINE	
As the below name	ed inventor, I hereby declare that:  The attached application, or  United States application or PCT internation filed on	al application number
The above-identifi	ied application was made or authorized to be ma	ade by me.
I believe that I am	the original inventor or an original joint inventor	or of a claimed invention in the application.
		bove-identified specification, including the claims. I bility of this application in accordance with 37 C.F.R §1.56.
-	edge that any willful false statement made in this not more than five (5) years, or both.	declaration is punishable under 18 U.S.C. 1001 by fine or
M-63, Benton Har		I to as "ASSIGNEE") having places of business at 2000 North iring the entire right, title and interest in and to said invention
receipt and sufficie unto said ASSIGN including any and and reissue of said including the right accorded ASSIGNO treaties; and the er	ency of are hereby acknowledged, I (hereinafter IEE, the entire right, title and interest in and to say all United States Letters Patent granted on any a application; and the entire right, title and interest to apply for patents and inventor certificates in OR under terms of the Paris International Conventire right, title and interest in and to any and all	regreement, and/or for good and valuable consideration, the referred to as "ASSIGNOR") hereby sell, assign and transfer aid invention and application throughout the United States, division, continuation, continuation-in-part, reexamination est in and to the said invention throughout the world, respect thereof and to claim priority pursuant to rights ention and all other available international conventions and patents, patents of addition, utility models, patents of hay be granted throughout the world in respect of said
prosecution and m and in foreign cour ASSIGNEE in and but at no expense to information concert testimony on behat defense of any pate	naintenance of said application or any other pate intries for said invention, including additional do to said invention, all without further considerat to ASSIGNOR, to identify and communicate to a rning the invention that are within ASSIGNOR'S alf of ASSIGNEE that lawfully may be required of	legally may be required in connection with the filing, not application(s) or inventor certificate(s) in the United States ocuments that may be required to affirm the rights of ion. ASSIGNOR also agrees, without further consideration ASSIGNEE at ASSIGNEE'S request documents and 5 possession or control and to provide further assurances and of ASSIGNOR in respect of the prosecution, maintenance and he terms of this instrument. ASSIGNOR'S obligations under inistrators 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 <b>WHIRL</b> needed to effect its recordal in the U.S. Patent and	<b>POOL CORPORATION</b> to insert or complete any information d Trademark Office.
LEGAL NAME OF		1/1/
Inventor: <u>Seth E. Bix</u>		nature:
- 1/7/	17	

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

	THUS DOCUMENT IS DEING OUR ATTERD FOR DAY	AT DUDDOGEO
Title of	THIS DOCUMENT IS BEING SUBMITTED FOR DUA  WASHING MACHINE	AL PURPOSES
Invention	WASHING MACHINE	
As the below name This declaration [ is directed to:	med inventor, I hereby declare that:  The attached application, or United States application or PCT international application number	
The above-identific	ified application was made or authorized to be made by me.	
I believe that I am	m the original inventor or an original joint inventor of a claimed invention in the application.	
-	at I reviewed and understand the contents of the above-identified specification, including the claims a duty to disclose information material to patentability of this application in accordance with 37 C.F.	
-	rledge that any willful false statement made in this declaration is punishable under $18$ U.S.C. $1001$ by f not more than five (5) years, or both.	7 fine or
M-63, Benton Har	<b>HIRLPOOL CORPORATION</b> (hereinafter referred to as "ASSIGNEE") having places of business at arbor, Michigan 49022, U.S.A. is desirous of acquiring the entire right, title and interest in and to sattes and throughout the world;	
NOW, THEREFORE, in accord with my obligations by law and/or agreement, and/or for good and valuable consideration, the receipt and sufficiency of are hereby acknowledged, I (hereinafter referred to as "ASSIGNOR") hereby sell, assign and transfer unto said ASSIGNEE, the entire right, title and interest in and to said invention and application throughout the United States, including any and all United States Letters Patent granted on any division, continuation, continuation-in-part, reexamination and reissue of said application; and the entire right, title and interest in and to the said invention throughout the world, including the right to apply for patents and inventor certificates in respect thereof and to claim priority pursuant to rights accorded ASSIGNOR under terms of the Paris International Convention and all other available international conventions and treaties; and the entire right, title and interest in and to any and all patents, patents of addition, utility models, patents of importation, revalidation patents and inventor certificates which may be granted throughout the world in respect of said invention.		
prosecution and mand in foreign court ASSIGNEE in and but at no expense to information concert testimony on behald defense of any pater	IOR hereby agrees to execute any documents that legally may be required in connection with the fili maintenance of said application or any other patent application(s) or inventor certificate(s) in the Uniquenties for said invention, including additional documents that may be required to affirm the rights and to said invention, all without further consideration. ASSIGNOR also agrees, without further consideration. ASSIGNOR, to identify and communicate to ASSIGNEE at ASSIGNEE'S request documents and cerning the invention that are within ASSIGNOR'S possession or control and to provide further assurball of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenant application or patent encompassed within the terms of this instrument. ASSIGNOR'S obligation shall extend to ASSIGNOR'S heirs, executors, administrators and other legal representatives.	nited States s of sideration d trances and enance and
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	horizes any member or representative of <b>WHIRLPOOL CORPORATION</b> to insert or complete any t needed to effect its recordal in the U.S. Patent and Trademark Office.	information
LEGAL NAME OF		
Inventor: Andrew Ku	Kubasiak Signature: Aucha Kubasik	
Data: 1/2/12		

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

	AL CICILIO	14 COM COM THE PROPERTY OF THE
A SAAR SAAR SAAR SAAR SAAR SAAR SAAR SA		THIS DOCUMENT IS BEING SUBMITTED FOR DUAL PURPOSES
Title of	WASHING MACHINE	
Invention		
	ed inventor, I hereby declar	
is directed to:		n or PCT international application number
	filed on	
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.
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receipt and sufficient unto said ASSIGN including any and and reissue of said including the right accorded ASSIGN treaties; and the endorses.	ency of are hereby acknowle EE, the entire right, title and all United States Letters Pa application; and the entire to apply for patents and in OR under terms of the Paristire right, title and interest	rations by law and/or agreement, and/or for good and valuable consideration, the edged, I (hereinafter referred to as "ASSIGNOR") hereby sell, assign and transfer d interest in and to said invention and application throughout the United States, tent granted on any division, continuation, continuation-in-part, reexamination right, title and interest in and to the said invention throughout the world, ventor certificates in respect thereof and to claim priority pursuant to rights International Convention and all other available international conventions and in and to any and all patents, patents of addition, utility models, patents of r certificates which may be granted throughout the world in respect of said
prosecution and mand in foreign coursel ASSIGNEE in and but at no expense information concetestimony on behadefense of any patthis instrument shassignor herel Letters Patent refe	naintenance of said applicate intries for said invention, income to said invention, all without to ASSIGNOR, to identify a rining the invention that are all of ASSIGNEE that lawful ent application or patent enall extend to ASSIGNOR'S low authorizes and requests the to above to ASSIGNEE.	any documents that legally may be required in connection with the filing, ion or any other patent application(s) or inventor certificate(s) in the United States cluding additional documents that may be required to affirm the rights of ut further consideration. ASSIGNOR also agrees, without further consideration and communicate to ASSIGNEE at ASSIGNEE'S request documents and within ASSIGNOR'S possession or control and to provide further assurances and ly may be required of ASSIGNOR in respect of the prosecution, maintenance and compassed within the terms of this instrument. ASSIGNOR'S obligations under neirs, executors, administrators and other legal representatives.  The Commissioner of Patents and Trademarks to issue any and all United States is, as the ASSIGNEE of the entire right, title and interest in and to the same, for
end of the term for ASSIGNOR had th	r which such Letters Patent ais agreement and sale not b	
		sentative of WHIRLPOOL CORPORATION to insert or complete any information in the U.S. Patent and Trademark Office.
LEGAL NAME O	FINVENTOR	
Inventor: Michael R	. Mackay	Signature:
	- DA(E	A STATE OF THE STA

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

THIS DOCUMENT IS B	EING SUBMITTED FOR DUAL PURPOSES		
Title of WASHING MACHINE			
Invention			
As the below named inventor, I hereby declare that:  This declaration			
The above-identified 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	n in the application.		
I hereby state that I reviewed and understand the contents of the above-identified specific acknowledge the duty to disclose information material to patentability of this application			
I hereby acknowledge that any willful false statement made in this declaration is punishal imprisonment of not more than five (5) years, or both.	ble under 18 U.S.C. 1001 by fine or		
WHEREAS, WHIRLPOOL CORPORATION (hereinafter referred to as "ASSIGNEE") has M-63, Benton Harbor, Michigan 49022, U.S.A. is desirous of acquiring the entire right, tit in the United States and throughout the world;			
NOW, THEREFORE, in accord with my obligations by law and/or agreement, and/or for receipt and sufficiency of are hereby acknowledged, I (hereinafter referred to as "ASSIGN unto said ASSIGNEE, the entire right, title and interest in and to said invention and application; and and reissue of said application; and the entire right, title and interest in and to the said invincluding the right to apply for patents and inventor certificates in respect thereof and to accorded ASSIGNOR under terms of the Paris International Convention and all other avaitreaties; and the entire right, title and interest in and to any and all patents, patents of add importation, revalidation patents and inventor certificates which may be granted through invention.	IOR") hereby sell, assign and transfer cation throughout the United States, continuation-in-part, reexamination vention throughout the world, claim priority pursuant to rights ilable international conventions and lition, utility models, patents of		
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.			
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ASSIGNOR authorizes any member or representative of WHIRLPOOL CORPORATION in this document needed to effect its recordal in the U.S. Patent and Trademark Office.	N to insert or complete any information		
LEGAL NAME OF INVENTOR			
Inventor: David Miller Signature:			
Date: 4/19/18			

**RECORDED: 07/11/2019**