503232667 03/24/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3279285

SUBMISSION TYPE:			NEW ASSIGNMENT		
NATURE OF CONVEYANCE:		ASSIGNMENT			
CONVEYING PARTY DA	ATA				
			Name		Execution Date
RAFAEL CABRAL MELO					01/19/2015
FERNANDO ELIAS DE OLIVEIRA					03/17/2015
BRADLEY D. MORROW					03/17/2015
MAURILIO FABIO RODRIQUES CATI			HARINO		01/19/2015
YINGQIN YUAN					01/19/2015
	ТА				
lame:	WHIRLPOOL CORPORATION				
Street Address:	2000 1	2000 NORTH M-63			
nternal Address:	MD 36	MD 3601			
City:	BENTON HARBOR				
State/Country:	MICHIGAN				
Postal Code:	49022				
	Totalu 1	1			
PROPERTY NUMBERS Total: 1 Property Type			Number	7	
pplication Number:		1466	6773	-	
CORRESPONDENCE D	ΑΤΑ				
Fax Number:		• •	923-5778		
•			e-mail address first; if that is un hat is unsuccessful, it will be se		
Phone:			235470		
Email:		Debo	orah_Tomaszewski@Whirlpool.cor	n	
correspondent Name:		WHIF	RLPOOL CORPORATION - MD 36	601	
ddress Line 1:		2000	NORTH M63		
ddress Line 2:		MD 3	3601		
ddress Line 4:		BEN	TON HARBOR, MICHIGAN 49022	1	
ATTORNEY DOCKET NUMBER:			SUB-04976-US-NP		
NAME OF SUBMITTER:			MICHAEL D. LAFRENZ		
SIGNATURE:		/MICHAEL D. LAFRENZ/			

03/24/2015

DATE SIGNED:

Total Attachments: 5

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

	THIS DOCUMENT IS BEING SÜBMITTED FOR DUAL PURPOSES	
Title of	METHOD OF DETERMINING INERTIA IN A LAUNDRY TREATING APPLIANCE	
Invention	7	
This declaration [d inventor, I hereby declare that: The attached application, or United States application or PCT international application number filed on	
The above-identifie	d application was made or authorized to be made by me.	
:	he 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 ity to disclose information material to patentability of this application in accordance with 37 C.F.R §1.56.	
I hereby acknowled	ige that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or 4 more than five (5) years, or both.	
M-63, Benton Harb	LPOOL CORPORATION (hereinafter referred to as "ASSIGNEE") having places of business at 2000 North or, Michigan 49022, U.S.A. is desirous of acquiring the entire right, fifle and interest in and to said invention and throughout the world;	
receipt and sufficient unto said ASSIGNE including any and a and reissue of said a including the right accorded ASSIGNC treaties; and the ant	E, in accord with my obligations by law and/or agreement, and/or for good and valuable consideration, the wy of are hereby acknowledged. I (hereinafter referred to as "ASSIGNOR") hereby sell, assign and transfer E, 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 if under terms of the Paris International Convention and all other available international conventions and ice right, title and interest in and all patents, patents of addition, utility models, patents of lation 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. ASSIGNCE 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 ASSIGNOE 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 beirs, 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 behood; and for the use and behood 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.		
ASSIGNOR author in this document ne	izes any member or representative of WHIRLPOOL CORPORATION to insert or complete any information eded to effect its recordal in the U.S. Patent and Trademark Office.	
LEGAL NAME OF 1	NVENTOR AN AN AN AN	
Inventor: RAFAEL CABRAL MELO SIGNATURE: (A) (4) (4) (4) (4)		
Date: <u></u>	$2i\alpha_{CM}$	

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

	THIS DOCUMENT IS EVEN GUEMUTED FOR DUAL PURPOSES	
Title of	METHOD OF DETERMINING INERTIA IN A LAUNDRY TREATING APPLIANCE	
Invention	·	
	od inventor, Thereby declare that: [2] The attached application, or	
is directed to:	United States application or PCT international application number	
	filed on	
The shove-identif	ied 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. T duty to disclose information material to patentability of this application in accordance with 37 C.F.R.\$1.56.	
	rdge that any willfol false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or 101 niore than five (5) years, or both	
M-63, Benton Has	RLPOOL CORPORATION (hereinafter referred to as "ASSIGNEE") having places of business at 2000 North "bar, Michigan 49022, U.S.A. is desirous of acquiring the entire right, title and interest in and to said invention is and throughout the world:	
receipt and suffici unto said ASSIGN including any and and relastic of sate including the righ accorded ASSIGN treaties; and the ei	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 (bereinatter 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, I all United States Letters Patent granted on any division, continuation, continuation-in-part, reexamination I 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 nitive right, title and interest in 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 Idation patents and inventor certificates which may be granted throughout the world in respect of said Idation patents and inventor certificates which may be granted throughout the world in respect of said Idation patents and inventor certificates which may be granted throughout the world in respect of said Idation patents and inventor certificates which may be granted throughout the world in respect of said	
prosecution and o and in foreign cou ASSIGNEE in and but at no expense information conce testimony on beha defense of any pat	IR bereby agrees to execute any documents that legally may be required in connection with the filing, azintenance 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 ASSIGNEES request documents and eming the invention that are within ASSIGNOR'S possession or control and to provide further assurances and of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance and with 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 relo ASSICNEE'S sole and of the term fo	by authorizes and requests the Commissioner of Patenis 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 ASSIGNEES legal representatives and successors, to the full r which such Leiters 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 O	FINVENTOR	
Inventor: FERNANDO ELIAS DE OLIVEIRA Sienáture: 4-1. (101)		
0.116: <u>03/13</u>		

PATENT REEL: 035240 FRAME: 0950

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

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THIS DOCUMENT IS BEING SUBMITTED FOR DUAL PURPOSES				
Title of <u>METHOD OF DETERMINING INERTIA IN A LAUNDRY TREATING APPLIANCE</u>				
Invention				
As the below named inventor, I hereby declare that: This declaration I The attached application, or is directed to: I United States application or PCT international application number filed on				
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 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.				
WHEREAS, WHIRLPOOL CORPORATION (hereinafter referred to as "ASSIGNEE") having places of business at 2000 North M-63, Benton Harbor, Michigan 49022, U.S.A. is desirous of acquiring the entire right, title and interest in and to said invention in the United States 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.				
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.				
ASSIGNOR authorizes any member or representative of WHIRLPOOL CORPORATION to insert or complete any information in this document needed to effect its recordal in the U.S. Patent and Trademark Office.				
LEGAL NAME OF INVENTOR Inventor: BRADLEY D. MORROW Signature:				
Date: 3/17/2015				

PATENT REEL: 035240 FRAME: 0951

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

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	THIS DOCUMENT IS BRING SUBMITTED FOR DUAL PURPOSES		
	METHOD OF DETERMINING INERTIA IN A LAUNDRY TREATING APPLIANCE		
Invention			
As the below named in	ventor, I hereby declare that:		
	he attached application, or Inited States application or PCT international application number		
	led on		
	plication 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.			
	hat any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or one than five (5) years, or both.		
M-63, Benton Harbor,	OOL CORPORATION (hereinafter referred to as "ASSIGNEE") having places of business at 2000 North Michigan 49022, U.S.A. is desirous of acquiring the entire right, title and interest in and to said invention I throughout the world;		
receipt and sufficiency unto said ASSIGNEE, il including any and all U and reissue of said appl including the right to a accorded ASSIGNOR u treaties; and the entire t	vaccord with my obligations by law and/or agreement, and/or for good and valuable consideration, the of are hereby acknowledged. I (hereinafter referred to as "ASSIGNOR") hereby sell, assign and transfer he entire right, title and interest in and to said invention and application throughout the United States, inited States Letters Patent granted on any division, continuation, continuation-in-part, reexamination location; and the entire right, title and interest in and to the said invention throughout the world, pply for patents and inventor certificates in respect thereof and to claim priority pursuant to rights nder terms of the Paris International Convention and all other available international conventions and ight, title and interest in and to any and all patents; patents of addition, utility models, patents of an patents and inventor certificates which may be granted throughout the world in respect of said		
prosecution and mainte and in foreign countrie ASSIGNEE in and to sa but at no expense to AS information concerning testimony on behalf of defense of any patent a this instrument shall ex-	reby agrees to execute any documents that legally may be required in connection with the filing, mance of said application or any other patent application(s) or inventor certificate(s) in the United States of or said invention, including additional documents that may be required to affirm the rights of id invention, all without further consideration. ASSIGNOR also agrees, without further consideration SIGNOR, to identify and communicate to ASSIGNEE at ASSIGNEE'S request documents and the invention that are within ASSIGNOR'S possession or control and to provide further assurances and ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance and oplication or patent encompassed within the terms of this instrument. ASSIGNOR'S obligations under tend to ASSIGNOR'S heirs, executors, administrators and other legal representatives.		
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	any member or representative of WHIRLPOOL CORPORATION to insert or complete any information d to effect its recordal in the U.S. Patent and Trademark Office.		
	$\sim \mathcal{M}^{\sim}$		
LEGAL NAME OF INV	ENTOR ///		
Inventor: MAURILIO FAI	NO_RODRIQUES CATHARINOSignature:/U//		
Date: <u>01/19/2</u>	Let M		
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PATENT REEL: 035240 FRAME: 0952

PATENT

REEL: 035240 FRAME: 0953

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

	THIS DOCUMENT IS BEING SUBMITTED FOR DUAL PURPOSES
Title of	METHOD OF DETERMINING INERTIA IN A LAUNDRY TREATING APPLIANCE
Invention	
This declaration $\int_{-\infty}^{\infty}$	d inventor, I hereby declare that: The attached application, or United States application or PCT international application number filed on
The above-identific	d application was made or authorized to be made by me.
I believe that I am t	he original inventor or an original joint inventor of a claimed invention in the application.
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	tge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or st more than five (5) years, or both.
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prosecution and ma and in foreign cour ASSIGNEE in and but at no expense to information concer testimony on behal 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 itries 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 o ASSIGNOR, to identify and communicate to ASSIGNEE at ASSIGNEE'S request documents and ning the invention that are within ASSIGNOR'S possession or control and to provide further assurances and f of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance and not application or patent encompassed within the terms of this instrument. ASSIGNOR'S obligations under II extend to ASSIGNOR'S heirs, executors, administrators and other legal representatives.
Letters Patent refer ASSIGNEE'S sole u end of the term for	y authorizes and requests the Commissioner of Patents and Trademarks to issue any and all United States red to above to ASSIGNEE, as the ASSIGNEE of the entire right, title and interest in and to the same, for se 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.
in this document n	rizes any member or representative of WHIRLPOOL CORPORATION to insert or complete any information reded to effect its recordal in the U.S. Patent and Trademark Office.
LEGAL NAME OF	INVENTOR 2
Inventor: YINGQIN	<u>YUAN</u>
Date: 01/(4	INVENTOR <u>YUAN</u> Signature: <u></u> <u>/:015</u>

RECORDED: 03/24/2015