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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:			NEW ASSIGNMENT			
NATURE OF CONVEYA	NCE:		ASSIGNMENT			
CONVEYING PARTY D						
			Name		Execution Date	
					09/06/2013	
MICHAEL J. JAKEWAY					08/28/2013	
AARON J. OOSTERBAAN					09/08/2013	
RECEIVING PARTY DA	TA					
Name:	WHIRL	POO	L CORPORATION			
Street Address:	2000 N	2000 NORTH M-63				
Internal Address:	MD 3601					
City:	BENTON HARBOR					
State/Country:	MICHIGAN					
Postal Code:	49022					
PROPERTY NUMBERS Property Type	Total: 1		Number]		
Application Number:		1543	2518	-		
		1				
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ATTORNEY DOCKET NUMBER:			SUB-02910-US-CNT			
NAME OF SUBMITTER:			SARA L. HAAS			
SIGNATURE:			/Sara L. Haas/			
DATE SIGNED:			02/14/2017			
Total Attachments: 3						
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PATENT REEL: 041254 FRAME: 0553

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 FOR DETERMINING AN OPTIMAL SCHEDULE OF AN APPLIANCE
Invention	
As the below name This declaration [is directed to: [d inventor, I hereby declare that: The attached application, or United States application or PCT international application number
The above-identific	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 uty to disclose information material to patentability of this application in accordance with 37 C.F.R \$1.56,
I hereby acknowled imprisonment of no	ige that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or It more than five (5) years, or both.
wi-oo, bennon marc	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, title 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 including the right accorded ASSIGNC treaties; and the ent	E, in accord with my obligations by law and/or agreement, and/or for good and valuable consideration, the new 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 said invention and application throughout the United States, and 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 R under terms of the Paris International Convention and all other available international conventions and ire 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
and in foreign count ASSIGNEE in and to but at no expense to information concern testimony on behalf defense of any pater	thereby agrees to execute any documents that legally may be required in connection with the filing, intenance of said application or any other patent application(s) or inventor certificate(s) in the United States tries for said invention, including additional documents that may be required to affirm the rights of o said invention, all without further consideration. ASSIGNOR also agrees, without further consideration ASSIGNOR, to identify and communicate to ASSIGNER at ASSIGNEE'S request documents and ing 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 it application or patent encompassed within the terms of this instrument. ASSIGNOR'S obligations under lextend to ASSIGNOR'S heirs, executors, administrators and other legal representatives.
ASSIGNOR hereby Letters Patent referr ASSIGNEE'S sole us end of the term for v	authorizes and requests the Commissioner of Patents and Trademarks to issue any and all United States ed to above to ASSIGNEE, as the ASSIGNEE of the entire right, title and interest in and to the same, for e 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 agreement and sale not been made.
ASSIGNOR author in this document nee	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 I	NVENTOR
Inventor: <u>VINCENT A</u>	IRELAND Signature:
Date: <u>9-6-2</u>	<u>\$73</u>

PATENT REEL: 041254 FRAME: 0554

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

THIS DOCUMENT IS BEING SUBMITTED FOR DUAL PUT	PPOCEC
Little of <u>METHOD FOR DETERMINING AN OPTIMAL SCHEDULE OF AN APPLIANC</u>	
Invention	
As the below named inventor, I hereby declare that: This declaration I The attached application, or	****************
is directed to: 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.	
Thereby 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 §1.50	6.
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine o imprisonment of not more than five (5) years, or both.	or
WHEREAS, WHIRLPOOL CORPORATION (hereinafter referred to as "ASSIGNEE") having places of husiness at 2000 N M-63, Benton Harbor, Michigan 49022, U.S.A. is desirous of acquiring the entire right, title and interest in and to said inve in the United States and throughout the world:	iorth antion
NOW, THEREFORE, in accord with my obligations by law and/or agreement, and/or fer good and valuable consideration receipt and sufficiency of are hereby acknowledged. I (hereinafter referred to as "ASSIGNOR") hereby sell, assign and transunto said ASSIGNEE, the entire right, title and interest in and to said invention and application throughout the United State 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 at treaties; and the entire right, title and interest in and to any and all other available international conventions at treaties; and the entire right, title 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 and inventor certificates which may be granted throughout the world in respect of said invention.	isfer tes, on
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 St 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 ASSIGNEES request documents, and information concerning the invention that are within ASSIGNOR'S possession or control and to provide further assurances testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance a defense of any patent application or patent encompassed within the terms of this instrument. ASSIGNOR'S obligations und this instrument shall extend to ASSIGNOR'S heirs, executors, administrators and other legal representatives.	on and and ter
and 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.	11
ASSIGNOR authorizes any member or representative of WHIRLPOOL CORPORATION to insert or complete any inform in this document needed to effect its recordal in the U.S. Patent and Trademark Office.	ation
EGAL NAME OF INVENTOR	
nventor: MICHAEL J. JAKEWAY Signature:	
nates <u>Ag 38, 2013</u>	

PATENT REEL: 041254 FRAME: 0555

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

METHOD FOR DETERMINING AN OPTIMAL SCHEDULE OF AN APPLIANCE Invention METHOD FOR DETERMINING AN OPTIMAL SCHEDULE OF AN APPLIANCE As the below named inventor, I hereby declare that: This declaration This declaration The attached application, or is directed to: United States application or PCT international application number
As the below named inventor, I bereby declare that: This declaration X The attached application, or is directed to: United States application or PCT international application number
This declaration X The attached application, or is directed to: United States application or PCT international application number
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 daity 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 meceipt and sufficiency of are hereby acknowledged, I (hereinafter referred to as "ASSIGNOR") hereby sell, assign and transfer anto 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 reaties; 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 exercte 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. ASSIGNOE 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 ASSIGNOE'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 finis instrument shall extend to ASSIGNE'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 Leiters Patent referred to above to ASSIGNEE, as the ASSIGNEE of the entire right, tile and interest in and to the same, for ASSIGNOR is such as 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: <u>AARON J. OOSTERBAAN</u> Signature: <u>Aan Dataat</u>
Date: Sept 8, 2013

PATENT REEL: 041254 FRAME: 0556

RECORDED: 02/14/2017

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