503127436 01/08/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

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EPAS ID: PAT3174045

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
STEVEN J. KUEHL	10/01/2014
GUOLIAN WU	11/10/2014
GLENN DAEHN	11/11/2014

RECEIVING PARTY DATA

Name:	WHIRLPOOL CORPORATION	
Street Address:	2000 NORTH M-63	
Internal Address:	MD 3601	
City:	BENTON HARBOR	
State/Country:	MICHIGAN	
Postal Code:	49022	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14591980

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.

Phone: 2699235470

Email: Deborah_Tomaszewski@Whirlpool.com
Correspondent Name: WHIRLPOOL CORPORATION - MD 3601

Address Line 1: 2000 NORTH M63

Address Line 2: MD 3601

Address Line 4: BENTON HARBOR, MICHIGAN 49022

ATTORNEY DOCKET NUMBER: SUB-03835-US-NP	
NAME OF SUBMITTER:	MICHAEL D. LAFRENZ
SIGNATURE:	/MICHAEL D. LAFRENZ/
DATE SIGNED:	01/08/2015

Total Attachments: 3

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PATENT 503127436 REEL: 034661 FRAME: 0886

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PATENT REEL: 034661 FRAME: 0887

Atty Docket: SUB-03835-US-NP

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

THIS DOCUMENT IS BEING SUBMITTED FOR DUAL PURPO	OSES	
Title of METHOD OF FORMING A REFRIGERATION HEAT EXCHANGER		
nvention		
As the below named inventor, I hereby declare that: This declaration		
he above-identified application was made or authorized to be made by me.		
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.		
hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or mprisonment of not more than five (5) years, or both.		
VHEREAS, WHIRLPOOL CORPORATION (hereinafter referred to as "ASSIGNEE") having places of business at 2000 Nor M-63, Benton Harbor, Michigan 49022, U.S.A. is desirous of acquiring the entire right, title and interest in and to said invent In the United States and throughout the world;	dh tion	
NOW, THEREFORE, in accord with my obligations by law and/or agreement, and/or for good and valuable consideration, eccipt and sufficiency of are hereby acknowledged, I (hereinafter referred to as "ASSIGNOR") hereby sell, assign and transfer to 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 are 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.	er 3,	
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 Stand 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 out 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 a sestimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance at lefense 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.	n nd	
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.		
EGAL NAME OF INVENTOR	· · · · · · · · · · · · · · · · · · ·	
oventor: STEVEN J. KUEHE Signature: Steven J towelf		
pate: 10/1/2014		

PATENT REEL: 034661 FRAME: 0888

Atty Docket: SUB-03835-US-NP

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 FORMING A REFRIGERATION HEAT EXCHANGER	
Invention		
	ed inventor, I hereby declare that: The attached application, or United States application or PCT international application number	
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 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.		
prosecution and in and in foreign cou ASSIGNEE in and but at no expense information conce- testimony on beha defense of any pat	R hereby agrees to execute any documents that legally may be required in connection with the filing, anneance 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.	
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 O		
Inventor: GUC	DUAN WU Signature:	
Date: <u> </u>	0,2014	

PATENT

REEL: 034661 FRAME: 0889

Atty Docket: SUB-03835-US-NP

REEL: 034661 FRAME: 0890

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

75023	A STOPPING OF THE PARK	THIS DOCUMENT IS BEING SUBMITTED FOR DUAL PURPOSE
Title of Invention	METHOD OF FOR	MING A REFRIGERATION HEAT EXCHANGER
As the below nam	i ed inventor, I hereby declare that: The attached application, or United States application or PCT filed on	international application number
The above-identif	ed application was made or authoriz	ed to be made by me.
I believe that I am	the original inventor or an original jo	int inventor of a claimed invention in the application.
I hereby state that acknowledge the o	I reviewed and understand the conte luty to disclose information material	nts of the above-identified specification, including the claims. I to patentability of this application in accordance with 37 C.F.R §1.56.
I hereby acknowle imprisonment of r	dge that any willful false statement n ot more than five (5) years, or both.	nade in this declaration is punishable under 18 U.S.C. 1001 by fine or
M-63, Benton Har	RLPOOL CORPORATION (hereinat bor, Michigan 49022, U.S.A. is desire and throughout the world;	ter referred to as "ASSIGNEE") having places of business at 2000 North us of acquiring the entire right, title and interest in and to said invention
receipt and suffici- unto said ASSIGN including any and and reissue of said including the righ accorded ASSIGN treaties; and the er	ency of are hereby acknowledged, I (the EE, the entire right, title and interest all United States Letters Patent grant application; and the entire right, title to apply for patents and inventor cerons under terms of the Paris Internation of the right, title and interest in and to	law and/or agreement, and/or for good and valuable consideration, the sereinafter referred to as "ASSIGNOR") hereby sell, assign and transfer in and to said invention and application throughout the United States, ed on any division, continuation, continuation-in-part, reexamination and interest in and to the said invention throughout the world, "tificates in respect thereof and to claim priority pursuant to rights and Convention and all other available international conventions and any and all patents, patents of addition, utility models, patents of es which may be granted throughout the world in respect of said
prosecution and mand in foreign cout and in foreign cout ASSIGNEE in and but at no expense information concetestimony on behadefense of any pat	taintenance of said application or any intries for said invention, including actors aid invention, all without further to ASSIGNOR, to identify and commining the invention that are within Affir of ASSIGNEE that lawfully may be ent application or patent encompasse	nents that legally may be required in connection with the filing, other patent application(s) or inventor certificate(s) in the United States Iditional documents that may be required to affirm the rights of consideration. ASSIGNOR also agrees, without further consideration inicate to ASSIGNEE at ASSIGNEE'S request documents and SSIGNOR'S possession or control and to provide further assurances and required of ASSIGNOR in respect of the prosecution, maintenance and d within the terms of this instrument. ASSIGNOR'S obligations under utors, administrators and other legal representatives.
Letters Patent refe ASSIGNEE'S sole end of the term for ASSIGNOR had th	rred to above to ASSIGNEE, as the Aluse and behoof; and for the use and be which such Letters Patent may be grain and be grain and bean made	
ASSIGNOR authoring this document to	orizes any member or representative on needed to effect its recordal in the U.S	of WHIRLPOOL CORPORATION to insert or complete any information, Patent and Trademark Office.
LEGAL NAME O	FINVENTOR	
Inventor: GLE	NN DAEHN	Signature: 44/44
Date:	even ber 2014	
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	\$2 - J	PATENT

RECORDED: 01/08/2015