PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3487173

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------------------|----------------|
| KEVIN M CHASE | 07/20/2014 |
| BRIAN P JANKE | 07/15/2014 |
| FARHAD ASHRAFZADEH | 07/16/2014 |
| SHREECHARAN KANCHANAVALLY | 05/27/2015 |
| JAMES KERNER | 07/16/2014 |

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: | 14828753 |

CORRESPONDENCE DATA

Fax Number: (703)583-8301

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: 703-583-8300

MAIL@DWPATENTLAW.COM Email: Correspondent Name: DIEDERIKS & WHITELAW, PLC Address Line 1: 13885 HEDGEWOOD DR., SUITE 317

Address Line 4: **WOODBRIDGE, VIRGINIA 22193**

| ATTORNEY DOCKET NUMBER: | PAT-US20080115-US-CNT3 |
|-------------------------|--|
| NAME OF SUBMITTER: | EVERETT G. DIEDERIKS, JR. |
| SIGNATURE: | /Everett G. Diederiks, Jr./ |
| DATE SIGNED: | 08/18/2015 |
| | This document serves as an Oath/Declaration (37 CFR 1.63). |

PATENT REEL: 036347 FRAME: 0541

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Total Attachments: 5 source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif source=Assignment#page4.tif source=Assignment#page5.tif

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

| THIS DOCUMENT IS BEING SUBMITTED | FOR DHAL PURPOSES | |
|---|--|--|
| HANDS FREE, CONTROLLED AUTOFILL FOR A DISPER | SER | |
| Inventor | | |
| 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 in the application | n. | |
| I hereby state that I reviewed and understand the contents of the above-identified specification, including the acknowledge the duty to disclose information material to patentability of this application in accordance with | molnime I | |
| I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C imprisonment of not more than five (5) years, or both. | | |
| WHEREAS, WHIRLPOOL CORPORATION (hereinafter referred to as "ASSIGNEE") having places of bus M-63, Benton Harbor, Michigan 49022, U.S.A. is desirous of acquiring the entire right, title and interest in a in the United States and throughout the world; | iness at 2000 North and to said invention | |
| NOW, THEREFORE, in accord with my obligations by law and/or agreement, and/or for good and valuable receipt and sufficiency of are hereby acknowledged, I (hereinafter referred to as "ASSIGNOR") hereby sell, a unto said ASSIGNEE, the entire right, title and interest in and to said invention and application throughout including any and all United States Letters Patent granted on any division, continuation, continuation-in-parand reissue of said application; and the entire right, title and interest in and to the said invention throughout including the right to apply for patents and inventor certificates in respect thereof and to claim priority purs accorded ASSIGNOR under terms of the Paris International Convention and all other available international treaties; and the entire right, title and interest in and to any and all patents, patents of addition, utility model importation, revalidation patents and inventor certificates which may be granted throughout the world in reinvention. | assign and transfer the United States, rt, reexamination t the world, uant to rights t conventions and | |
| 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 | | |
| ASSIGNEES sole use and behoof; and for the use and behoof of ASSIGNEES legal representatives and succeeded of the term for which such Letters Patent may be granted, as fully and entirely as the same would have to ASSIGNOR had this agreement and sale not been made. | secure to this full | |
| ASSIGNOR authorizes any member or representative of WHIRLPOOL CORPORATION to insert or compi in this document needed to effect its recordal in the U.S. Palent and Trademark Office. | lete any information | |
| LEGAL NAME OF INVENTOR | e come commence and a production of | |
| Inventor: KEVIN M. CHASE Signature: | | |
| Date: 2/30/14 | ************************************** | |
| | | |

Atty Docket: PAT-US20080115-US-CNT2

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

| | THIS DOCUMENT IS BEING SUBMITTED FOR DUAL PURPOSES | |
|--|--|--|
| Title of | HANDS FREE, CONTROLLED AUTOFILL FOR A DISPENSER | |
| Invention | | |
| This declaration | ed inventor, I hereby declare that: The attached application, or United States application or PCT international application number 14/331500 filed on 15 JULY 2014 | |
| The above-identific | ed application was made or authorized to be made by me. | |
| I believe that I am t | the original inventor or an original joint inventor of a claimed invention in the application. | |
| acknowledge the d | 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 out 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 ASSIGNIEE, 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 author in this document no | 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 INVENTOR | | |
| Inventor: BRIAN P. Ja | | |
| Date: 7/15/14 | <u> </u> | |

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

| THIS DOCUMENT IS BEING SUBMITTED FOR DUAL PURPO | SES | |
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| tle of HANDS FREE, CONTROLLED AUTOFILL FOR A DISPENSER | | |
| vention | | |
| As the below named inventor, I hereby declare that: This declaration The attached application, or is directed to: United States application or PCT international application number 14/331500 filed on 15 TULY 2014 | | |
| e above-identified application was made or authorized to be made by me. | | |
| elieve that I am the original inventor or an original joint inventor of a claimed invention in the application, | | |
| ereby state that I reviewed and understand the contents of the above-identified specification, including the claims. I mowledge 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 folse 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 WHRLPOOL CORPORATION to insert or complete any information in this document needed to effect its recordal in the U.S. Patent and Trademark Office. | | |
| GAL NAME OF INVENTOR | | |
| entor: FARHAD ASHRAFZADEH Signature: F. Slonaf | | |
| <u> 07/16/20</u> 14 | | |

Atty Docket: PAT-US20080115-US-CNT2

THIS DOCUMENT IS BEING SUBMITTED FOR DUAL PURPOSES

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

| Title of | HANDS FREE, CONTROLLED AUTOFILL FOR A DISPENSER | |
|--|---|--|
| Invention | | |
| As the below named inventor, I hereby declare that: This declaration The attached application, or is directed to: United States application or PCT international application number 14/331500 filed on 15 JULY 2014 | | |
| 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 object 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. | | |
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| 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: SHREECHARAN KANCHANAVALLY Signature: Z. Shree Charan | | |
| Date: 27/ may / 2015 | | |

Atty Docket: PAT-US20080115-US-CNT2

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

| | F77:14 6 | HANDS FREE, CONTROLLED AUTOPILL FOR DUAL PURPOSES |
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| | Title of | HANDS FREE, CONTROLLED AUTOFILL FOR A DISPENSER |
| | Invention | |
| | This declaration L | id inventor, I hereby declare that: The attached application, or United States application or PCT international application number 14/331500 filed on 15 JULY 2014 |
| | The above-identifie | 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. |
| | I hereby state that I acknowledge the du | reviewed and understand the contents of the above-identified specification, including the claims. I sty to disclose information material to patentability of this application in accordance with 37 C.F.P. 81.56 |
| | imprisonment of no | ge 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. |
| | in the United States | 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; |
| | unto said ASSIGNEI including any and al and reissue of said a including the right to accorded ASSIGNOI treaties; and the entilipportation, revalidation, | E, in accord with my obligations by law and/or agreement, and/or for good and valuable consideration, the cry 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, II United States Letters Patent granted on any division, continuation, continuation-in-part, reexamination pplication; and the entire right, title and interest in and to the said invention throughout the world, o 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 re right, title and interest in and to any and all patents, patents of addition, utility models, patents of attorn patents and inventor certificates which may be granted throughout the world in respect of said |
| | and in foreign counts ASSIGNEE in and to but at no expense to information concernitestimony on behalf of defense of any patent this instrument shall | hereby agrees to execute any documents that legally may be required in connection with the filing, intended of said application or any other patent application(s) or inventor certificate(s) in the United States ries for said invention, including additional documents that may be required to affirm the rights of 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 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 tapplication or patent encompassed within the terms of this instrument. ASSIGNOR'S obligations under extend to ASSIGNOR'S heirs, executors, administrators and other legal representatives. |
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| i | ASSIGNOR authorizen this document need | res any member or representative of WHIRLPOOL CORPORATION to insert or complete any information ded to effect its recordal in the U.S. Patent and Trademark Office. |
| L | EGAL NAME OF IN | OVENTOR |
| ŧr | wentor: JAMES KERN | ER Signature: James Blener |
| ď | ate: <u>7/16/</u> 6 | 2014 |

PATENT REEL: 036347 FRAME: 0547

RECORDED: 08/18/2015