

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Mr. Stephen L. Keres</td> <td>06/22/2012</td> </tr> <tr> <td>Mr. Alberto Regio Gomes</td> <td>06/22/2012</td> </tr> <tr> <td>Mr. Andrew D. Litch</td> <td>06/22/2012</td> </tr> </tbody> </table>		Name	Execution Date	Mr. Stephen L. Keres	06/22/2012	Mr. Alberto Regio Gomes	06/22/2012	Mr. Andrew D. Litch	06/22/2012
Name	Execution Date								
Mr. Stephen L. Keres	06/22/2012								
Mr. Alberto Regio Gomes	06/22/2012								
Mr. Andrew D. Litch	06/22/2012								
RECEIVING PARTY DATA									
Name:	WHIRLPOOL CORPORATION								
Street Address:	2000 NORTH M-63								
Internal Address:	MD 2200								
City:	BENTON HARBOR								
State/Country:	MICHIGAN								
Postal Code:	49022								
PROPERTY NUMBERS Total: 1									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13531707</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13531707				
Property Type	Number								
Application Number:	13531707								
CORRESPONDENCE DATA									
Fax Number:	(269)923-5778								
Phone:	269-923-5470								
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<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>									
Correspondent Name:	WHIRLPOOL CORPORATION - MD 0750								
Address Line 1:	500 RENAISSANCE DRIVE - SUITE 102								
Address Line 4:	ST. JOSEPH, MICHIGAN 49085								
ATTORNEY DOCKET NUMBER:	SUB-01199-US-NP								
NAME OF SUBMITTER:	Michael D. Lafrenz								
Total Attachments: 2 source=SUB-01199-US-NPasn#page1.tif source=SUB-01199-US-NPasn#page2.tif									

OP \$40.00 13531707

ASSIGNMENT TO WHIRLPOOL CORPORATION

Attorney Docket No. SUB-01199-US-NP**PATENT ASSIGNMENT - WORLDWIDE**

In accord with (my/our) obligations by law and/or agreement, and/or for good and valuable consideration, the receipt and sufficiency of are hereby acknowledged, and in fulfillment of a pre-existing obligation of assignment.

Name(s) of Inventor(s) Stephen L. Keres of Waterloo, Michigan  
Andrew D. Litch of St. Joseph, Michigan and  
Alberto Regis George of St. Joseph, Michigan

inventor(s) and originator(s) of an invention entitled

Title of (Invention) Application FAULT DETECTION AND DIAGNOSIS FOR REFRIGERATOR FROM COMPRESSOR SENSOR

which is the subject of

- an application for a United States Patent filed on \_\_\_\_\_ and having Application Number \_\_\_\_\_ (Application), or
- an application for a United States Patent executed concurrently herewith (Application).

hereby sell(s), assign(s), and set(s) over to

Name of Assignee Whirlpool Corporation

Address of principal place of business 2000 N M-63  
Dexter, Michigan 48122, U.S.A.

Insert State of Incorporation a corporation of Delaware

(hereinafter designated as the Assignee), [my/our] entire right, title, and interest in, and to the invention, including the Application, all priority rights arising therefrom, all subject matter and inventions therein disclosed, all improvements arising therefrom, and all applications, patents, certificates, registrations, divisions, continuations, extensions, reexaminations, or reissues arising therefrom in any and all countries or jurisdictions, including the right to recover damages and other relief for past and future infringements thereof.

(I/we) agree that on request and without further consideration, but at the expense of the Assignee, (I/we) will communicate to the Assignee or its representatives or nominees any facts known to (me/us) respecting the invention and improvements, and (I/we) further agree to testify in any legal proceeding, to sign all lawful papers, to execute all divisional, continuation, re-examination and reissue applications, to make all rightful oaths, to sign any lawful petitions or lawful affidavits, and generally to do everything possible to aid the Assignee, its successors, assigns, and nominees to obtain, perfect, and enforce legal rights, including patent protection, for the invention and its improvements in all countries and jurisdictions.

(I/we) hereby authorize and request any official whose duty it is to issue patents or other documents involving legal rights arising from the invention and the Application, to issue any such patent or other document to the Assignee or such other entity specified by the Assignee, and (I/we) further hereby covenant that (I/we) have full right to convey the interest herein assigned, that the assigned right is not encumbered by any grant, license, or other right previously given, and that (I/we) have not executed, and will not execute, any agreement in conflict herewith.

ASSIGNMENT TO WHIRLPOOL CORPORATION

Attorney Docket No. SUB-01199-US-NP

(We) hereby grant to the attorney of record in the United States Patent and Trademark Office the power to insert on this assignment any further identification which may be necessary, or required in order to comply with the rules of any jurisdiction for recording of this document.

Signature: *Stephen L. Keres* Date: 6/22/12  
STEPHEN L. KERES

Witnessed by: *[Signature]* Date: 22 June 2012  
Signature  
RICHARD IMMERS  
Printed Name of Witness

Signature: *Alberto Regio Comen* Date: 6/22/2012  
ALBERTO REGIO COMEN

Witnessed by: *[Signature]* Date: 22 June 2012  
Signature  
RICHARD IMMERS  
Printed Name of Witness

Signature: *Andrew D. Litch* Date: 6/22/2012  
ANDREW D. LITCH

Witnessed by: *[Signature]* Date: 22 June 2012  
Signature  
RICHARD IMMERS  
Printed Name of Witness