

**PATENT ASSIGNMENT**

Electronic Version v1.1  
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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT										
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Egerhardt Graf</td> <td>05/06/2008</td> </tr> <tr> <td>Rodrigo Link</td> <td>05/06/2008</td> </tr> <tr> <td>Fabio Henrique Klein</td> <td>05/05/2008</td> </tr> <tr> <td>Cristiano Rafael Schramm</td> <td>05/05/2008</td> </tr> </tbody> </table>		Name	Execution Date	Egerhardt Graf	05/06/2008	Rodrigo Link	05/06/2008	Fabio Henrique Klein	05/05/2008	Cristiano Rafael Schramm	05/05/2008
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Cristiano Rafael Schramm	05/05/2008										
<b>RECEIVING PARTY DATA</b>											
<b>Name:</b>	Whirlpool S.A.										
<b>Street Address:</b>	Av. das Nacoes Unidas, 12.995										
<b>Internal Address:</b>	32 andar, Brooklin Novo										
<b>City:</b>	Sao Paulo-SP										
<b>State/Country:</b>	BRAZIL										
<b>Postal Code:</b>	04578-000										
<b>PROPERTY NUMBERS Total: 1</b>											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11996390</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11996390						
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Application Number:	11996390										
<b>CORRESPONDENCE DATA</b>											
<b>Fax Number:</b>	(704)444-1111										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
<b>Phone:</b>	7044441069										
<b>Email:</b>	nancy.mcpartland@alston.com										
<b>Correspondent Name:</b>	Alston & Bird LLP										
<b>Address Line 1:</b>	Bank of America Plaza										
<b>Address Line 2:</b>	101 S. Tryon Street - Suite 4000										
<b>Address Line 4:</b>	Charlotte, NORTH CAROLINA 28280-4000										
<b>ATTORNEY DOCKET NUMBER:</b>	033794/339414										
<b>NAME OF SUBMITTER:</b>	Donald M. Hill, Jr. - Reg. No. 40,646										

CH \$40.00 11996390

**Total Attachments: 5**

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**ASSIGNMENT - WORLDWIDE**

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto

**Whirlpool S.A.  
Av. das Nacoes Unidas, 12.995, 32 andar Brooklin Novo  
04578-000 Sao Paulo, Brazil**

its successors and assigns, the entire right, title and interest, so far as concerns the United States and the Territories and Possessions thereof and all foreign countries in and to the invention in **"A PISTON-AND-CYLINDER ASSEMBLY WITH A VARIABLE DIAMETRAL CLEARANCE, AND A CYLINDER FOR USE IN A PISTON-AND-CYLINDER ASSEMBLY WITH A VARIABLE DIAMETRAL CLEARANCE"**

as set forth in this United States Patent Application

- executed concurrently herewith
- executed on
- Application No. 11/996,390; filed
- Application claims priority from PCT Application No. PCT/BR2006/000146, filed July 21, 2006, and Brazilian Application No. PI0503019-6, filed July 22, 2005, all applications listed above being hereinafter referred to as the "application(s)";

(We hereby authorize and request the Assignee and its attorney (Alston & Bird LLP) to insert above the application number and filing date of said application when known.)

said application for United States Letters Patent, including all divisional, renewal, substitute, continuation, nonprovisionals, continuation-in-parts, and Convention applications based in whole or in part upon said inventions or upon said applications, and any and all Letters Patent and reissues, reexaminations, and extensions of Letters Patent granted for said inventions or upon said applications and every priority right that is or may be predicated upon or arise from said inventions, said applications, and said Letters Patent; said Assignee being hereby authorized to file patent applications in any or all countries on any or all said inventions in the name of the undersigned or in the name of said Assignee or otherwise as said Assignee may deem advisable, under the International Convention or otherwise; the Commissioner of Patents and Trademarks of the United States of America being hereby authorized to issue or transfer all said Letters Patent to said Assignee in accordance herewith; this assignment being under covenant, not only that full power to make the same is had by the undersigned, but also that such assigned right is not encumbered by any grant, license, or other right theretofore given, and that the undersigned will do all acts reasonably serving to ensure that the said inventions, patent applications and Letters Patent shall be held and enjoyed by said Assignee as fully and entirely as the same could have been held and enjoyed by the undersigned if this assignment had not been made, and particularly to execute and deliver to said Assignee all lawful documents including petitions,

specifications, oaths, assignments, invention disclaimers, declarations, and lawful affidavits in form and substance which may be requested by said Assignee, to furnish said Assignee with all facts relating to said inventions or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may embody said inventions, and to testify in any proceedings relating to said inventions, patent applications, and/or Letters Patent.

The undersigned hereby grant(s) an authorized representative of Assignee the power to insert in this Assignment any further identification that may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

May 06 / 2008  
Date

Egerhardt Graf

May, 6, 2008

Date

Rodrigo Link

Rodrigo Link

Date May 05, 2008

Fabio Henrique Klein  
Fabio Henrique Klein

May 05 / 2008  
Date

  
Cristiano Rafael Schramm

Attorney Docket No. 033794/339414