

PATENT ASSIGNMENT

Electronic Version v1.1
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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>Jozef Boros</td> <td>07/11/2013</td> </tr> <tr> <td>Qian Zhang</td> <td>07/10/2013</td> </tr> <tr> <td>Yoshiki Semba</td> <td>07/10/2013</td> </tr> <tr> <td>Subbramanian Thenappan</td> <td>07/10/2013</td> </tr> </tbody> </table>		Name	Execution Date	Jozef Boros	07/11/2013	Qian Zhang	07/10/2013	Yoshiki Semba	07/10/2013	Subbramanian Thenappan	07/10/2013
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>RHEEM Manufacturing Company</td> </tr> <tr> <td>Street Address:</td> <td>1100 Abernathy Road, N.E., Suite 1400</td> </tr> <tr> <td>City:</td> <td>Atlanta</td> </tr> <tr> <td>State/Country:</td> <td>GEORGIA</td> </tr> <tr> <td>Postal Code:</td> <td>30328</td> </tr> </table>		Name:	RHEEM Manufacturing Company	Street Address:	1100 Abernathy Road, N.E., Suite 1400	City:	Atlanta	State/Country:	GEORGIA	Postal Code:	30328
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PROPERTY NUMBERS Total: 1											
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CORRESPONDENCE DATA											
Fax Number: 2142000853 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 214-651-5000 Email: ipdocketing@haynesboone.com Correspondent Name: Haynes and Boone, LLP. Address Line 1: 2323 Victory Avenue Address Line 2: Suite 700 Address Line 4: Dallas, TEXAS 75219											
ATTORNEY DOCKET NUMBER:	38310.432										
NAME OF SUBMITTER:	J. Richard Konneker										
Signature:	/J. Richard Konneker/										

PATENT

Date:

07/16/2013

Total Attachments: 5

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ASSIGNMENT

WHEREAS, we,

- | | | | |
|-----|------------------------|----|-------------------------------------|
| (1) | Jozef Boros | of | Montgomery
State of Alabama, USA |
| (2) | Qian Zhang | of | Montgomery
State of Alabama, USA |
| (3) | Yoshiki Semba | of | Montgomery
State of Alabama, USA |
| (4) | Subbramanian Thenappan | of | Montgomery
State of Alabama, USA |

have invented certain improvements in

DOWNFIRED HIGH EFFICIENCY GAS-FIRED WATER HEATER

for which we have filed a provisional application in the United States of America on August 22, 2012, under U.S. Serial Number 61/692,082; and

WHEREAS, we authorize the attorney of record to update this document to include Patent Office information as deemed necessary (i.e., filing date, application number, etc.);

WHEREAS, RHEEM MANUFACTURING COMPANY (Assignee), a corporation organized and existing under the laws of the State of Delaware, having its principal office and place of business at 1100 Abernathy Road, N.E., Suite 1400, Atlanta, Georgia 30328, is desirous of obtaining the entire right, title, and interest in, to and under the said invention and the said application in the United States of America and in any and all countries foreign thereto;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said Assignee, its successors, legal representatives, and assigns, the entire right, title, and interest in, to and under the said invention, and the said application, and all divisional, renewal, substitutional, and continuing applications thereof, and all Letters Patent of the United States of America which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may be filed for said invention in any country or countries foreign to the United States of America, and all extensions, renewals, and reissues thereof, and all prior patents and patent applications from which a filing priority of the above-described patent application may be obtained, including the right to collect past damages; and we hereby authorize and request the Commissioner of Patents of the United States of America, and any official of any country or countries foreign to the United States of America, whose duty it is to issue patents on

Patent / Docket No. 38310.432
Customer No. 27683

applications as aforesaid, to issue all Letters Patent for said invention to the said Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to said Assignee, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, renewal, substitutional, continuing, and reissue applications, make all rightful declarations and/or oaths and generally do everything possible to aid the said Assignee, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said invention in all countries,

Dated: 7/11/13

Jozef Boros

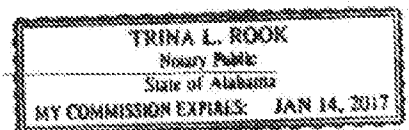
State of Alabama §

County of Montgomery §

On this 11 day of July, 2013, personally appeared Jozef Boros, to me known and known to me to be the person described in and who executed the foregoing document, and acknowledged to me that the execution of the same was a free act and deed.

Trina L. Rook
Notary Public

My Commission Expires:



SEAL

Patent / Docket No. 38310.432
Customer No. 27663

Dated: 7/10/2013

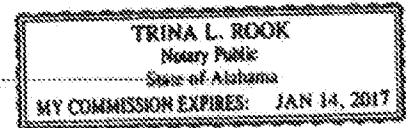
[Signature]
Qian Zhang

State of Alabama §
County of Montgomery §

On this 11 day of July, 2013, personally appeared Qian Zhang, to me known and known to me to be the person described in and who executed the foregoing document, and acknowledged to me that the execution of the same was a free act and deed.

[Signature]
Notary Public

My Commission Expires: _____



SEAL

Patent / Docket No. 38310.432
Customer No. 27683

Dated: 7/10/13

Yoshiki Semba
Yoshiki Semba

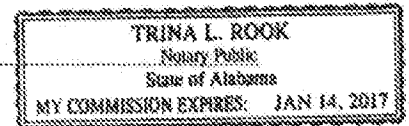
State of Alabama

County of Montgomery

On this 10 day of July, 201³, personally appeared Yoshiki Semba, to me known and known to me to be the person described in and who executed the foregoing document, and acknowledged to me that the execution of the same was a free act and deed.

Trina L. Rook
Notary Public

My Commission Expires:



SEAL

Patent / Docket No. 38310.432
Customer No. 27683

Dated: 7/16/13

[Signature]
Subbramarian Thenappan

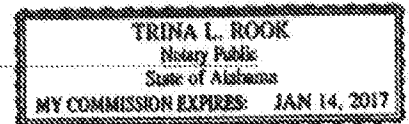
State of Alabama

County of Montgomery

On this 10 day of July, 2013, personally appeared Subbramarian Thenappan, to me known and known to me to be the person described in and who executed the foregoing document, and acknowledged to me that the execution of the same was a free act and deed.

[Signature]
Notary Public

My Commission Expires:



SEAL