

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

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>Benjamin F. Harbin III</td> <td>06/29/2009</td> </tr> <tr> <td>Cecil Ray Holland Jr.</td> <td>06/26/2009</td> </tr> <tr> <td>Robert J. Toth</td> <td>06/29/2009</td> </tr> <tr> <td>Adrian O'Neil</td> <td>06/29/2009</td> </tr> <tr> <td>Michael Scott Sansom</td> <td>06/29/2009</td> </tr> <tr> <td>Brook Marin</td> <td>06/26/2009</td> </tr> </tbody> </table>		Name	Execution Date	Benjamin F. Harbin III	06/29/2009	Cecil Ray Holland Jr.	06/26/2009	Robert J. Toth	06/29/2009	Adrian O'Neil	06/29/2009	Michael Scott Sansom	06/29/2009	Brook Marin	06/26/2009
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RECEIVING PARTY DATA															
<table border="1"> <tr> <td>Name:</td> <td>Carina Technology, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>655 Discovery Drive</td> </tr> <tr> <td>Internal Address:</td> <td>Suite 201</td> </tr> <tr> <td>City:</td> <td>Huntsville</td> </tr> <tr> <td>State/Country:</td> <td>ALABAMA</td> </tr> <tr> <td>Postal Code:</td> <td>35806</td> </tr> </table>		Name:	Carina Technology, Inc.	Street Address:	655 Discovery Drive	Internal Address:	Suite 201	City:	Huntsville	State/Country:	ALABAMA	Postal Code:	35806		
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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>12493086</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12493086										
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Application Number:	12493086														
CORRESPONDENCE DATA															
Fax Number:	(931)433-4845														
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Email:	jrichards@vallnet.com														
<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:	James Richards														
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Address Line 4:	Fayetteville, TENNESSEE 37334														
ATTORNEY DOCKET NUMBER:	090015														

CH \$40.00 12493086

NAME OF SUBMITTER:

James Richards, Reg 54399

**Total Attachments: 6**

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Docket Number  
090015

**Assignment of Patent Rights  
To Carina Technology, Inc.**

In consideration of One Dollar and other good and valuable consideration, the receipt of which is acknowledged, I, **Benjamin F. Harbin III**, residing at **6396 Turtle Bay Way, Athens, 35611**, do hereby sell and assign to **Carina Technology, Inc.** having an office at **689 Discovery Drive, Huntsville, Alabama, 35806** (the Company), its successors and assigns, the entire rights, title, and interests in and to the invention and improvements in **"Water Heater Demand Side Management System"**, invented by me, as described in United States patent application serial number filed herewith; and any and all divisional, continuation, continuation-in-part, re-examination and reissue patent applications filed based on said invention and improvements thereof in the United States or in any country around the world; all rights of priority resulting from filing of any patent application based on said invention and improvements thereof, either in a national phase or under a treaty in force and effect anywhere around the world; and I hereby authorize and request any official whose duty it is to issue patents, to issue any and all patents on said invention and improvements thereof to the Company, its successor and assigns; and I hereby agree that upon request by the Company, its successors and assigns, and without further consideration, but at the expense of said Company, its successors and assigns, I shall perform all acts and execute all documents reasonably necessary or desirable, including making rightful oaths, testifying in court and communicating known facts, and generally doing everything possible to aid said Company, its successors and assigns, to secure patent rights in said invention and improvements thereof and to enforce and defend any patent rights in said invention and improvements thereof in any country around the world.

US Provisional application 61/077,235, Filed July 1, 2008, by Harbin et al. and  
US Patent Application 12/493,086, filed June 26, 2009, by Harbin et al., which claims priority to  
application 61/077,235, both of which are hereby included in this assignment.

6-29-09  
Date

  
Benjamin F. Harbin III

Docket Number  
**090015**

**Assignment of Patent Rights**  
**To Carina Technology, Inc.**

In consideration of One Dollar and other good and valuable consideration, the receipt of which is acknowledged, I, **Cecil Ray Holland, Jr.**, residing at **48 Old Baptist Road, Ardmore, TN 38449**, do hereby sell and assign to **Carina Technology, Inc.** having an office at **689 Discovery Drive, Huntsville, Alabama, 35806** (the Company), its successors and assigns, the entire rights, title, and interests in and to the invention and improvements in **"Water Heater Demand Side Management System"**, invented by me, as described in United States patent application serial number filed herewith; and any and all divisional, continuation, continuation-in-part, re-examination and reissue patent applications filed based on said invention and improvements thereof in the United States or in any country around the world; all rights of priority resulting from filing of any patent application based on said invention and improvements thereof, either in a national phase or under a treaty in force and effect anywhere around the world; and I hereby authorize and request any official whose duty it is to issue patents, to issue any and all patents on said invention and improvements thereof to the Company, its successor and assigns; and I hereby agree that upon request by the Company, its successors and assigns, and without further consideration, but at the expense of said Company, its successors and assigns, I shall perform all acts and execute all documents reasonably necessary or desirable, including making rightful oaths, testifying in court and communicating known facts, and generally doing everything possible to aid said Company, its successors and assigns, to secure patent rights in said invention and improvements thereof and to enforce and defend any patent rights in said invention and improvements thereof in any country around the world.

I further authorize and direct our attorneys or agents to insert below the serial number and filing date of said application now identified as **Docket No. 090015** as soon as the same shall have been made known to them by the United States Patent Office.

Serial Number 12/493,086

Filing Date June 26, 2009

6/26/2009  
Date

Cecil Ray Holland, Jr.  
Cecil Ray Holland, Jr.

Docket Number  
090015

**Assignment of Patent Rights  
To Carina Technology, Inc.**

In consideration of One Dollar and other good and valuable consideration, the receipt of which is acknowledged, I, **Robert J. Toth**, residing at **7785 Wild Creek Trail, Huntsville, AL 35802**, do hereby sell and assign to **Carina Technology, Inc.** having an office at **689 Discovery Drive, Huntsville, Alabama, 35806** (the Company), its successors and assigns, the entire rights, title, and interests in and to the invention and improvements in **"Water Heater Demand Side Management System"**, invented by me, as described in United States patent application serial number filed herewith; and any and all divisional, continuation, continuation-in-part, re-examination and reissue patent applications filed based on said invention and improvements thereof in the United States or in any country around the world; all rights of priority resulting from filing of any patent application based on said invention and improvements thereof, either in a national phase or under a treaty in force and effect anywhere around the world; and I hereby authorize and request any official whose duty it is to issue patents, to issue any and all patents on said invention and improvements thereof to the Company, its successor and assigns; and I hereby agree that upon request by the Company, its successors and assigns, and without further consideration, but at the expense of said Company, its successors and assigns, I shall perform all acts and execute all documents reasonably necessary or desirable, including making rightful oaths, testifying in court and communicating known facts, and generally doing everything possible to aid said Company, its successors and assigns, to secure patent rights in said invention and improvements thereof and to enforce and defend any patent rights in said invention and improvements thereof in any country around the world.

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6/29/09  
Date

Robert J. Toth  
Robert J. Toth

Docket Number  
090015

**Assignment of Patent Rights  
To Carina Technology, Inc.**

In consideration of One Dollar and other good and valuable consideration, the receipt of which is acknowledged, I, **Adrian O'Neil**, residing at **149 Clover Ridge Drive, Madison, AL 35758**, do hereby sell and assign to **Carina Technology, Inc.** having an office at **689 Discovery Drive, Huntsville, Alabama, 35806** (the Company), its successors and assigns, the entire rights, title, and interests in and to the invention and improvements in "**Water Heater Demand Side Management System**", invented by me, as described in United States patent application serial number filed herewith; and any and all divisional, continuation, continuation-in-part, re-examination and reissue patent applications filed based on said invention and improvements thereof in the United States or in any country around the world; all rights of priority resulting from filing of any patent application based on said invention and improvements thereof, either in a national phase or under a treaty in force and effect anywhere around the world; and I hereby authorize and request any official whose duty it is to issue patents, to issue any and all patents on said invention and improvements thereof to the Company, its successor and assigns; and I hereby agree that upon request by the Company, its successors and assigns, and without further consideration, but at the expense of said Company, its successors and assigns, I shall perform all acts and execute all documents reasonably necessary or desirable, including making rightful oaths, testifying in court and communicating known facts, and generally doing everything possible to aid said Company, its successors and assigns, to secure patent rights in said invention and improvements thereof and to enforce and defend any patent rights in said invention and improvements thereof in any country around the world.

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June 29/09  
Date

Adrian O'Neil  
Adrian O'Neil

Docket Number  
090015

**Assignment of Patent Rights  
To Carina Technology, Inc.**

In consideration of One Dollar and other good and valuable consideration, the receipt of which is acknowledged, I, **Michael Scott Sansom**, residing at **118 Holbrook Drive, Huntsville, AL 35806**, do hereby sell and assign to **Carina Technology, Inc.** having an office at **689 Discovery Drive, Huntsville, Alabama, 35806** (the Company), its successors and assigns, the entire rights, title, and interests in and to the invention and improvements in **"Water Heater Demand Side Management System"**, invented by me, as described in United States patent application serial number filed herewith; and any and all divisional, continuation, continuation-in-part, re-examination and reissue patent applications filed based on said invention and improvements thereof in the United States or in any country around the world; all rights of priority resulting from filing of any patent application based on said invention and improvements thereof, either in a national phase or under a treaty in force and effect anywhere around the world; and I hereby authorize and request any official whose duty it is to issue patents, to issue any and all patents on said invention and improvements thereof to the Company, its successor and assigns; and I hereby agree that upon request by the Company, its successors and assigns, and without further consideration, but at the expense of said Company, its successors and assigns, I shall perform all acts and execute all documents reasonably necessary or desirable, including making rightful oaths, testifying in court and communicating known facts, and generally doing everything possible to aid said Company, its successors and assigns, to secure patent rights in said invention and improvements thereof and to enforce and defend any patent rights in said invention and improvements thereof in any country around the world.

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Date

6/29/09

  
Michael Scott Sansom

Docket Number  
090015

**Assignment of Patent Rights  
To Carina Technology, Inc.**

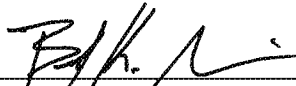
In consideration of One Dollar and other good and valuable consideration, the receipt of which is acknowledged, I, **Brook Marin**, residing at **2945 Eastern Shore Dr, Huntsville, AL 35763**, do hereby sell and assign to **Carina Technology, Inc.** having an office at **689 Discovery Drive, Huntsville, Alabama, 35806** (the Company), its successors and assigns, the entire rights, title, and interests in and to the invention and improvements in **"Water Heater Demand Side Management System"**, invented by me, as described in United States patent application serial number filed herewith; and any and all divisional, continuation, continuation-in-part, re-examination and reissue patent applications filed based on said invention and improvements thereof in the United States or in any country around the world; all rights of priority resulting from filing of any patent application based on said invention and improvements thereof, either in a national phase or under a treaty in force and effect anywhere around the world; and I hereby authorize and request any official whose duty it is to issue patents, to issue any and all patents on said invention and improvements thereof to the Company, its successor and assigns; and I hereby agree that upon request by the Company, its successors and assigns, and without further consideration, but at the expense of said Company, its successors and assigns, I shall perform all acts and execute all documents reasonably necessary or desirable, including making rightful oaths, testifying in court and communicating known facts, and generally doing everything possible to aid said Company, its successors and assigns, to secure patent rights in said invention and improvements thereof and to enforce and defend any patent rights in said invention and improvements thereof in any country around the world.

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Serial Number 12/493,086

Filing Date June 26, 2009

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Brook Marin