

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JIAN SUN	02/25/2015
LUCY YI LIU	02/25/2015
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<b>State/Country:</b>	CONNECTICUT
<b>Postal Code:</b>	06034
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14423254
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<b>SIGNATURE:</b>	/David A. Fox/
<b>DATE SIGNED:</b>	06/05/2015
<b>Total Attachments: 2</b>	
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## ASSIGNMENT

We, **Jian Sun** residing in Fayetteville, NY with a Business Address of 6304 Thompson Road, Syracuse, NY 13321 and **Lucy Yi Liu** residing in Fayetteville, NY with a Business Address of 6304 Thompson Road, Syracuse, NY 13321; has/have invented certain improvements in a **"TRANSCRITICAL REFRIGERANT VAPOR COMPRESSION SYSTEM HIGH SIDE PRESSURE CONTROL"**, and described in US Patent Application Serial No. 14/423,254 filed February 23, 2015, and International Application Docket No. PA-0021210, executed on even date herewith and listing as inventors: **Jian Sun and Lucy Yi Liu**, (hereinafter the Application(s)) and for which International Application we authorize insertion post-execution here in parentheses ( PCT/US/2013/055643, filed August 24, 2012 ) the international filing date and International Application number when known.

At the time of the invention of the improvements, said improvements were assigned to or under obligation of assignment to **Carrier Corporation** (hereinafter Assignee) of 1 Carrier Place, Farmington, CT 06034, a Delaware, U.S.A. corporation, having a place of business at One Carrier Place, Farmington, Connecticut, United States of America 06034.

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged by the undersigned, the undersigned have sold, assigned, transferred and set over and by these presents do hereby sell, assign, transfer and set over unto Assignee, its successors and assigns, our entire right, title and interest in and to:

said invention or inventions as described in the Application(s), in all forms and \_\_\_\_\_ embodiments thereof and in all countries and other jurisdictions;

the Application(s) and all applications filed in all countries and jurisdictions based thereon or otherwise for said invention or inventions, including direct or indirect nonprovisional of, divisional, continuation, continuation-in-part, or substitute applications, and including the right to file all said applications under the provisions of the Paris Convention for the Protection of Industrial Property, Patent Cooperation Treaty or other international convention or agreement;

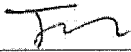
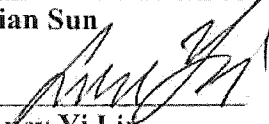
all patents and reissues, reexaminations, or extensions thereof to be obtained in all countries and jurisdictions upon said invention or inventions or from all said applications; and

to all such rights relating to prior infringements, retroactive or past royalties, provisional rights, and other retroactive or past relief or compensation.

The undersigned hereby authorize and request the issuing authorities in all countries and jurisdictions to issue all patents on all said applications to Assignee or its successors and assigns.

The undersigned further agree, without any further payment or compensation by Assignee or its successors and assigns, to communicate to Assignee, its successors and assigns and to their representatives and agents, all facts relating to said invention or inventions including evidence for interference purposes or for other legal proceedings whenever requested; testify in all interference or other legal proceedings, whenever requested; execute and deliver, on request, all lawful papers required to make all of the foregoing provisions effective; and generally do everything possible to aid Assignee, its successors or assigns and nominees to obtain and enforce proper patent protection for said invention or inventions in all countries and jurisdictions.

IN TESTIMONY WHEREOF, the undersigned have-hereunto set their hand and seal on the date after their signature.

(L.S.)   
Jian Sun  
(L.S.)   
Lucy Yi Liu

02/25/2015  
Date  
2/25/2015  
Date