

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4493908

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
CARRIER AIR CONDITIONING AND REFRIGERATION R&D MANAGEMENT (SHANGHAI) CO., LTD.	06/03/2015
RECEIVING PARTY DATA	
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Street Address:	ONE CARRIER PLACE
City:	FARMINGTON
State/Country:	CONNECTICUT
Postal Code:	06032
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15542222
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NAME OF SUBMITTER:	DAVID A. FOX
SIGNATURE:	/David A. Fox/
DATE SIGNED:	07/07/2017
Total Attachments: 2	
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ASSIGNMENT

One or more employees or agents of Carrier Air Conditioning and Refrigeration R&D Management (Shanghai) Co., Ltd., a limited liability company organized and established under the laws of PRC, having a place of business at Room 2906-2907, 28, New Jinqiao Road, Pudong New Area, Shanghai, China have invented certain improvements in a "HEAT PUMP SYSTEM AND CONDITIONING METHOD THEREOF" and described in Chinese Application No. **201510007948.4**, filed January 8, 2015, and listing as inventor(s): Weijuan Wang, Haijun Li, Guangyu Shen and Yingzheng Fu (hereinafter the Application).

At the time of the invention of the improvements, the aforementioned inventor(s) had assigned or was/were under obligation to assign said improvements to Assignor and Assignor had assigned or was under obligation to assign said improvements to **CARRIER CORPORATION** (hereinafter Assignee, a Delaware, U.S.A. corporation, having a place of business at One Carrier Place, Farmington, Connecticut, United States of America 06032).

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

said invention or inventions as described in the Application, in all forms and embodiments thereof and in all countries and other jurisdictions;

the Application 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

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

Assignor hereby authorizes and requests the issuing authorities in all countries and

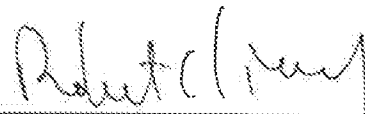
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jurisdictions to issue all patents on all said applications to Assignee or its successors and assigns.

Assignor further agrees, 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.

For Assignor

(L.S.) 
Robert Hong-Leung Chiang
Vice President, Engineering

Date: 6/3/2015

For Assignee

(L.S.) 
Lisa A. Bongiovi
VP IP Counsel & Assistant Secretary

Date: 6/4/2015