

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
YINHAI ZHU	01/21/2022
PEIXUE JIANG	01/21/2022
CONGHUI LI	01/21/2022
RECEIVING PARTY DATA	
Name:	TSINGHUA UNIVERSITY
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	17585425
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ATTORNEY DOCKET NUMBER:	BGAO_0007US
NAME OF SUBMITTER:	KEITH TABOADA
SIGNATURE:	/Keith Taboada/
DATE SIGNED:	01/27/2022
Total Attachments: 2 source=BGAO_0007US_Assignment#page1.tif source=BGAO_0007US_Assignment#page2.tif	

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses of Inventors:

1)	Yinhai ZHU 1 Qinghuayuan, Haidian District, Beijing 100084, China	2)	Peixue JIANG 1 Qinghuayuan, Haidian District, Beijing 100084, China
3)	Conghui LI 1 Qinghuayuan, Haidian District, Beijing 100084, China		

(hereinafter referred to as Assignors), have invented a certain invention entitled:

AIR SOURCE CO₂ HEAT PUMP SYSTEM FOR PREVENTING EVAPORATOR FROM FROSTING
BY USING HEAT OF HEAT REGENERATOR

enclosed herewith; and

WHEREAS, Tsinghua University, an university of the State of Beijing, China, having a place of business at 1 Qinghuayuan, Haidian District, Beijing 100084, China, and Shanxi Research Institute For Clean Energy, Tsinghua University, an institute of the State of Shanxi, China, having a place of business at 100 Zhengyang Street, Shanxi Transition and Comprehensive Reform Demonstration Zone, Shanxi 030032, China (hereinafter referred to as Assignees), are desirous of acquiring the entire right, title and interest in and to said application (hereinafter referred to as Application), and the invention disclosed therein (hereinafter referred to as Invention), and in and to all embodiments of the Invention, heretofore conceived, made or discovered by said Assignors, and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter referred to as Patents) thereon granted in any and all countries and groups of countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Assignors to have been received in full from said Assignees:

1. Said Assignors hereby sell, assign, transfer and convey to Assignees the full and exclusive right, title and interest (a) in and to said Application and said Invention; (b) in and to all rights to apply for patents on said Invention in any and all countries pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all Applications filed and any and all Patents granted on said Invention in any and all countries and groups of countries, including each and every Application filed and each and every Patent granted on any application which is a conventional, division, substitution, or continuation of said Application; and (d) in and to each and every reissue or extension of any of said Patents.

2. Said Assignors hereby covenant and agree to cooperate with said Assignees to enable said Assignees to enjoy to the fullest extent the right, title and interest to said Invention herein conveyed in any and all countries and groups of countries. Such cooperation by said Assignors shall include prompt production of pertinent facts and documents, giving testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignees (a) for perfecting in said Assignees the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, conventional, divisional, continuing or additional applications covering said Invention; (d) for filing and prosecuting applications for reissuance of any of said Patents; (e) for interference or other priority proceedings involving said Invention; and (f) for legal proceedings involving said Invention and any application therefore and any Patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said

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Assignors in providing such cooperation shall be paid for by said Assignees.

3. The term and covenants of this agreement shall inure to the benefit of said Assignees, their successors, assigns and other legal representatives, and shall be binding upon said Assignors, their respective heirs, legal representatives and assigns.

4. Said Assignors hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, the said Assignors have executed and delivered this instrument to said Assignees on the dates indicated below.

1)	<u>January 21, 2022</u> (DATE)	<u>Yinhai ZHU</u> Yinhai ZHU
2)	<u>January 21, 2022</u> (DATE)	<u>Peixue JIANG</u> Peixue JIANG
3)	<u>January 21, 2022</u> (DATE)	<u>Conghui LI</u> Conghui LI