

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT7265119

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
JOHN LIENHARD	03/10/2022
AKSHAY DESHMUKH	03/30/2022
ZI HAO FOO	03/30/2022
RECEIVING PARTY DATA	
Name:	Massachusetts Institute of Technology
Street Address:	77 Massachusetts Avenue
City:	Cambridge
State/Country:	MASSACHUSETTS
Postal Code:	02139
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	17567809
CORRESPONDENCE DATA	
Fax Number:	(617)401-3687
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	6174012460
Email:	bob@mxlegal.com
Correspondent Name:	ROBERT SAYRE
Address Line 1:	MODERN TIMES LEGAL
Address Line 2:	1 BROADWAY, 14TH FLOOR
Address Line 4:	CAMBRIDGE, MASSACHUSETTS 02142
ATTORNEY DOCKET NUMBER:	MIT-22793
NAME OF SUBMITTER:	ROBERT J. SAYRE
SIGNATURE:	/Robert J. Sayre, Reg. No. 42,124/
DATE SIGNED:	04/06/2022
This document serves as an Oath/Declaration (37 CFR 1.63).	
Total Attachments: 5	
source=mit-22793_ex_dec_and_ast--mit#page1.tif	
source=mit-22793_ex_dec_and_ast--mit#page2.tif	

source=mit-22793_ex_dec_and_ast--mit#page3.tif

source=mit-22793_ex_dec_and_ast--mit#page4.tif

source=mit-22793_ex_dec_and_ast--mit#page5.tif

COMBINED DECLARATION AND ASSIGNMENT**Declaration**

As the below-named inventors (along with co-inventor Aaron D. Wilson), we hereby declare that this declaration is directed to United States application number 17/567,809, filed on January 3, 2022.

The above-identified application was made or authorized by each of us. We believe that we are the original joint inventors (along with co-inventor Aaron D. Wilson) of a claimed invention in the application. We hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

If the inventors are named as applicants for this application or if our authorization is otherwise needed, we hereby appoint the Patent Practitioner(s) associated with Customer No. 72531 as our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the above-referenced application.

The signature provided at the end of this document attests to both this declaration and the assignment, below.

Assignment

WHEREAS, We, John Lienhard, Akshay Deshmukh, Zi Hao Foo, all currently or previously employed by or associated with Massachusetts Institute of Technology, made certain new and useful inventions and improvements for which We, as co-inventors, filed an application for Letters Patent of the United States on January 3, 2022, which application was assigned U.S. patent application serial number 17/567,809, and is entitled, SWITCHABLE SYSTEM FOR HIGH-SALINITY BRINE DESALINATION AND FRACTIONAL PRECIPITATION;

AND WHEREAS, Massachusetts Institute of Technology, a corporation organized and existing under and by virtue of the laws of the State/Commonwealth of Massachusetts, and having an office and place of business at 77 Massachusetts Avenue, Cambridge, Massachusetts 02139 (hereinafter "Assignee"), is desirous of acquiring an undivided interest in the entire right, title and interest in and to said inventions, improvements and application, and in and to the Letters Patent to be obtained therefore;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, We have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto the Assignee, its successors or assigns, an undivided interest in the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the application, all related provisionals and non-provisionals to which priority is claimed in this application or that claim priority to this application, divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent that may be granted there from, and all reissues or extensions of such patents, and in and to any and all applications that have been or shall be filed in any foreign countries for Letters Patent on the inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries that may be granted there from; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the Assignee as the assignee of an undivided interest in the entire right, title and interest in and to the same, for the use of the Assignee, its successors and assigns.

AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to the Assignee, its successors and representatives all facts known to us relating to the improvements and the history thereof and will testify in all legal proceedings and generally do all things that may be necessary or desirable more effectually to secure to and vest in the Assignee, its successors or assigns the entire (or an undivided interest in the entire) right, title and interest in and to the improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore, we covenant and agree with the Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 10th day of
March, 2022.

John H. Lienhard

John Lienhard

STATE OF Vermont

COUNTY OF Franklin

On this _____ day of _____, 2022 before me personally appeared John
H. Lienhard to me known and known to me to be the person described in and who executed the
foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the
uses and purposes therein set forth.

[SEAL]

Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand this 30th day of
MARCH, 2022.

Akshay Deshmukh

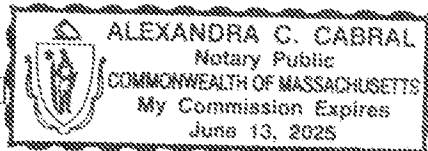
Akshay Deshmukh

STATE OF MASSACHUSETTS

COUNTY OF MIDDLESEX

On this 30th day of MARCH, 2022 before me personally appeared Akshay Deshmukh to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]



Alexandra C. Cabral

Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand this 30 day of
MARCH, 2022.



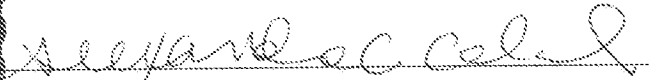
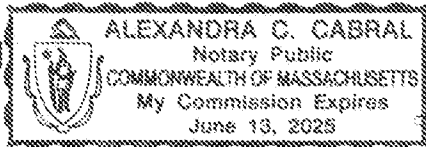
Zi Hao Foo

STATE OF MASSACHUSETTS

COUNTY OF MIDDLESEX

On this 30th day of MARCH, 2022 before me personally appeared Zi Hao Foo to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]



Notary Public
