PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6545036

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MEHDI NIKKHAH	12/20/2018
ALI NAVAEI	12/21/2018

RECEIVING PARTY DATA

Name:	ARIZONA BOARD OF REGENTS ON BEHALF OF ARIZONA STATE UNIVERSITY	
Street Address:	1475 NORTH SCOTTSDALE ROAD	
Internal Address:	SKYSONG - SUITE 200	
City:	SCOTTSDALE	
State/Country:	ARIZONA	
Postal Code:	85257-3538	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16157956

CORRESPONDENCE DATA

Fax Number: (952)876-4098

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.

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Address Line 4: BLOOMINGTON, MINNESOTA 55425

ATTORNEY DOCKET NUMBER:	17555.057US1
NAME OF SUBMITTER:	JULIE WILMAN
SIGNATURE:	/Julie Wilman/
DATE SIGNED:	02/10/2021

Total Attachments: 6

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PATENT REEL: 055215 FRAME: 0636

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PATENT REEL: 055215 FRAME: 0637

ASSIGNMENT

WHEREAS, I/we, (each referred to as "Assignor")

MEHDI NIKKHAH	
ALI NAVAEI	

made certain new and useful inventions and improvements for which I/we filed the following patent application(s)

COUNTRY	SERIAL NUMBER	FILING DATE
US	16/157,956	OCTOBER 11, 2018

AND WHEREAS, ARIZONA BOARD OF REGENTS ON BEHALF OF ARIZONA

STATE UNIVERSITY, having an office and place of business at 1475 NORTH SCOTTSDALE

ROAD, SKYSONG - SUITE 200, SCOTTSDALE, ARIZONA 85257-3538 (hereinafter

"Assignee"), is desirous of acquiring 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, and to the extent that the Assignor has not done so already via a prior agreement with the Assignee, or if the Assignor has already done so via a prior agreement with the Assignee then in confirmation of said prior agreement, I/we hereby sell, assign, transfer and set over unto said Assignee, including its successors and assigns, my/our entire right, title and interest to all inventions disclosed in the aforesaid application(s), including all rights to claim priority therefrom, and to any and all present or future patent applications to such inventions filed in the United States or any other country or region, inclusive of, but not limited to, all divisions, continuations, continuations-in-part, renewals thereof, substitutions, reexaminations, reissues, provisional patent applications, applications filed under the Patent Cooperation Treaty, certificates of addition, utility models, and petty patents, as well as all other intellectual property related to the applications, inclusive of, but not limited to, supplementary protection certificates, and to any and all Letters Patents and any related patent

term extensions that may be granted for said Letters Patents with respect to the applications; all of the above to be held by Assignee as fully and entirely as the same would have been held by me had this Assignment not been made.

AND, for the consideration aforesaid, I/we do hereby agree that I/we and my/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 said Assignee, its successors and representatives all facts known to me relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore, I/we covenant and agree with said 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 me/us and that full right to convey the same as herein expressed is possessed by me/us.

ALI NAVAEI

Docket No: 17555.057US1

ASSIGNMENT

WHEREAS, I/we, (each referred to as "Assignor")

MEHDI NIKKHAH
ALI NAVAEI

made certain new and useful inventions and improvements for which I/we filed the following patent application(s)

COUNTRY	SERIAL NUMBER	FILING DATE
US	16/157,956	OCTOBER 11, 2018

AND WHEREAS, <u>ARIZONA BOARD OF REGENTS ON BEHALF OF ARIZONA</u>
<u>STATE UNIVERSITY</u>, having an office and place of business at <u>1475 NORTH SCOTTSDALE</u>
<u>ROAD</u>, <u>SKYSONG - SUITE 200</u>, <u>SCOTTSDALE</u>, <u>ARIZONA 85257-3538</u> (hereinafter "Assignee"), is desirous of acquiring 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, and to the extent that the Assignor has not done so already via a prior agreement with the Assignee, or if the Assignor has already done so via a prior agreement with the Assignee then in confirmation of said prior agreement, I/we hereby sell, assign, transfer and set over unto said Assignee, including its successors and assigns, my/our entire right, title and interest to all inventions disclosed in the aforesaid application(s), including all rights to claim priority therefrom, and to any and all present or future patent applications to such inventions filed in the United States or any other country or region, inclusive of, but not limited to, all divisions, continuations, continuations-in-part, renewals thereof, substitutions, reexaminations, reissues, provisional patent applications, applications filed under the Patent Cooperation Treaty, certificates of addition, utility models, and petty patents, as well as all other intellectual property related to the applications, inclusive of, but not limited to, supplementary protection certificates, and to any and all Letters Patents and any related patent

PATENT REEL: 055215 FRAME: 0641 Docket No: 17555.057US1 Serial Number : 16/157,956

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term extensions that may be granted for said Letters Patents with respect to the applications; all of the above to be held by Assignee as fully and entirely as the same would have been held by me

had this Assignment not been made.

AND, for the consideration aforesaid, I/we do hereby agree that I/we and my/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 said Assignee, its successors and representatives all facts known to me

relating to said improvements and the history thereof and will testify in all legal proceedings and

generally do all things which may be necessary or desirable more effectually to secure to and vest

in said Assignee, its successors or assigns the entire right, title and interest in and to the said

improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and

advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore, I/we covenant and agree with said 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 me/us and that full right to convey the same as herein

expressed is possessed by me/us.

PATENT

REEL: 055215 FRAME: 0642

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DI TESTE (ON WALLED)	
IN TESTIMONY WHERI	EOF, I have hereunto set my hand this day of
, 2018.	
	MEHDI NIKKHAH

IN TESTIMONY WHEREOF, I have hereunto set my hand this 21 day of

December

RECORDED: 02/10/2021

____, 2018.

ALI NAVAEI

PATENT REEL: 055215 FRAME: 0643