

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MD. ZISHAN AKHTER	03/02/2023
FARAG KHALIFA OMAR	03/02/2023
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State/Country:	UNITED ARAB EMIRATES
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	18152335
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ATTORNEY DOCKET NUMBER:	25279.11
NAME OF SUBMITTER:	BRIAN POLLACK
SIGNATURE:	/Brian Pollack/
DATE SIGNED:	04/17/2023
Total Attachments: 3	
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COMBINED INVENTOR DECLARATION AND ASSIGNMENT

THIS ASSIGNMENT, by Md. Zishan Akhter, and Farag Khalifa Omar
(hereinafter referred to as Assignors);

WHEREAS, Assignors have invented certain new and useful improvements in
U.S. Patent Application No. 18/152,335, filed January 10, 2023; and

WHEREAS, UNITED ARAB EMIRATES UNIVERSITY, an organization having a
mailing address located at P.O Box 1555, Al-Ain, United Arab Emirates (hereinafter referred to
as Assignee), is desirous of acquiring the entire right, title and interest in and to said
inventions and said Application for Letters Patent of the United States, and in and to any
Letters Patent of the United States to be obtained therefore and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good
and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have
sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and
set over, unto Assignee, its successors, legal representatives and assigns, the entire right,
title and interest in and to the above-mentioned inventions and application for Letters
Patent, and in and to any and all direct and indirect divisions, continuations and
continuations-in-part of said applications, and any and all Letters Patent in the United States
and all foreign countries which may be granted therefore and thereon, and reissues,
reexaminations and extensions of said Letters Patent, and all rights under the International
Convention for the Protection of Industrial Property, the same to be held and enjoyed by
Assignee, for its own use and benefit and the use and benefit of its successors, legal
representatives and assigns, to the full end of the term or terms for which Letters Patent may
be granted and/or extended, as fully and entirely as the same would have been held and
enjoyed by Assignor, had this sale and assignment not been made.

AND for the same consideration, each Assignor hereby represents and warrants
to Assignee, its successors, legal representatives and assigns, that, at the time of execution
and delivery of these presents, except for any rights, titles and/or interests that have arisen
to Assignee under law or that have already been transferred to Assignee or to the National
Institutes of Health, Assignor is the sole and lawful owners of the entire right, title and
interest in and to the said inventions and application for Letters Patent above-mentioned,
and that the same are unencumbered and that Assignor has good and full right and lawful

authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, each Assignor hereby covenants and agrees to and with Assignee, its successors, legal representatives and assigns, that Assignor will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND each Assignor hereby requests the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

AND each Assignor hereby states as follows: (i) The above-identified application was made or authorized to be made by me; (ii) I believe that I am the original inventor or an original joint inventor of a claimed invention in each of the above-referenced applications; and (iii) I 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.

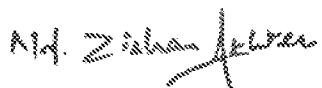
AND Assignor hereby grants the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

Winthrop & Weinstine, P.A.

All practitioners at Customer Number 94740

AND Assignor acknowledges an obligation of assignment of these inventions to Assignee at the time the inventions were made.

Date: 2 / Mar / 23

Signature 
Md. Zishan Akhter

Date: 2 / Mar / 23

Signature 
Farag Khalifa Omar

Accepted on behalf of UNITED ARAB EMIRATES UNIVERSITY:

Date: March 6, 2023

Signature 
UNITED ARAB EMIRATES UNIVERSITY

Name: Prof. Ahmed Ali Murad

Title: Associate Provost for Research

