506789751 07/28/2021

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
BOON S. OOI	06/15/2021
CHUN HONG KANG	06/15/2021
TIEN KHEE NG	06/15/2021
OSMAN M. BAKR	06/15/2021
IBRAHIM DURSUN	06/15/2021
LUTFAN SINATRA	06/15/2021
MARAT LUTFULLIN	06/15/2021

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17413700

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NAME OF SUBMITTER:	MIA CHARTIER
SIGNATURE:	/Mia Chartier/
DATE SIGNED:	07/28/2021

506789751 PATENT REEL: 057008 FRAME: 0436

Total Attachments: 9 source=2021-06-29_SIGNED_Assignment_0338-415-2_2019-070-04#page1.tif source=2021-06-29_SIGNED_Assignment_0338-415-2_2019-070-04#page2.tif source=2021-06-29_SIGNED_Assignment_0338-415-2_2019-070-04#page3.tif source=2021-06-29_SIGNED_Assignment_0338-415-2_2019-070-04#page4.tif source=2021-06-29_SIGNED_Assignment_0338-415-2_2019-070-04#page5.tif source=2021-06-29_SIGNED_Assignment_0338-415-2_2019-070-04#page6.tif source=2021-06-29_SIGNED_Assignment_0338-415-2_2019-070-04#page7.tif source=2021-06-29_SIGNED_Assignment_0338-415-2_2019-070-04#page8.tif source=2021-06-29_SIGNED_Assignment_0338-415-2_2019-070-04#page9.tif

PATENT REEL: 057008 FRAME: 0437



ASSIGNMENT OF PATENT APPLICATION

WHEREAS, we, **Boon S. OOI** of Thuwal, Kingdom of Saudi Arabia, **Chun Hong KANG** of Thuwal, Kingdom of Saudi Arabia, **Tien Khee NG** of Thuwal, Kingdom of Saudi Arabia, **Osman M.BAKR** of Thuwal, Kingdom of Saudi Arabia, **Ibrahim DURSUN** of Thuwal, Kingdom of Saudi Arabia, **Lutfan SINATRA** of Thuwal, Kingdom of Saudi Arabia, and **Marat LUTFULLIN** of Thuwal, Kingdom of Saudi Arabia, hereinafter referred to as ASSIGNORS, have invented certain new and useful improvements ("Invention(s)") as described and set forth in the below-identified United States patent application entitled:

ULTRAVIOLET DETECTION WITH HIGH-SPEED WAVELENGTH-CONVERTING LAYER

which was filed with the United States Patent and Trademark Office (USPTO) on **June 14, 2021** and assigned Serial No. **17/413,700** and

WHEREAS, KING ABDULLAH UNIVERSITY OF SCIENCE AND TECHNOLOGY, having a business at 4700 King Abdullah University of Science and Technology, Thuwal, Kingdom of Saudi Arabia 23955-6900, hereinafter referred to as ASSIGNEE, is desirous of acquiring ASSIGNORS' interest in said Invention(s) and patent application and in any and all U.S. and foreign patent applications claiming priority to and/or the benefit of said patent application and any and all patents which may be granted on the same.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by ASSIGNORS. ASSIGNORS do hereby sell, assign and transfer unto ASSIGNEE, and ASSIGNEE'S successors and assigns, (a) the entire right, title and interest, for the United States of America, in and to said Invention(s), and said patent application and all the rights and privileges in any application and under any and all patents that may be granted in the U.S. for said Invention(s), including all corresponding provisional, continuation, continuation-in-part, divisional, reissue, and reexamination applications; and (b) the entire right, title and interest in and to said Invention(s), and said patent application for all countries foreign to the U.S., including all rights of priority arising from them, and all the rights and privileges under any and all forms of protection, including patents, that may be granted in said countries foreign to the U.S. for them.

ASSIGNORS authorize ASSIGNEE to make application for such protection in its own name and maintain such protection in any and all countries foreign to the U.S., and to invoke and claim for any application for patent or other form of protection for said Invention(s), without further authorization from ASSIGNORS, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

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PATENT REEL: 057008 FRAME: 0438



ASSIGNORS hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of ASSIGNEE to apply for patent or other form of protection for said Invention(s), said patent application and to claim the aforesaid benefit of the right of priority.

ASSIGNORS request that any and all patents for said Invention(s) be issued to ASSIGNEE in the U.S. and to ASSIGNEE in all countries foreign to the U.S., or to such nominee as ASSIGNEE may designate.

ASSIGNORS covenant and agree that, when requested, ASSIGNORS shall, without charge to ASSIGNEE but at ASSIGNEE'S expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable, or convenient in connection with the patent applications, patents, or other forms of protection of said Invention(s), and for the defense and protection thereof if challenged in the court of law.

ASSIGNORS authorize ASSIGNEE or its agents to insert, on ASSIGNORS' behalf, the filing date and/or serial number above pertaining to the patent application, if not known as of the date of execution of this document.

manner of property of the second	Date: 15 th June 2021
Boon S. OOI	
Islam Ashry	Yne Wong
Witness	Witness
Date: 15th June 2021	Date: 15th June 2021



July.	Date: 15≞ June 2021
Chun Hong KANG	
Islam Ashry Witness	Yue Wang Witness
Date:15 th June 2021	Date: <u>15</u> <u></u> <u>June 2021</u>



Al	Date: 15 ^{<u>b</u>} June 2021
Tien Khee NG	
Islam Ashry	Yue Woney
Witness	Witness
Date: 15th June 2021	Date: 15 th June 2021



J.F.	
Osman M. BAKR	Date: 15 th June 2021
Islam Ashry Witness	Witness Wang
Date: 15th June 2021	Date: 15th June 2021



Ibrahim DURSUN	Date: <u>15º June 2021</u>
Islam Ashry Witness	Yna Wang Witness
Date: <u>15^a June 2021</u>	Date:15 [±] June 2021



	Date: 15 [±] June 2021	
Lutfan SINATRA		
Ishm Ashry	Yue Warg	
Witness	Witness	
Date: _15 th June 2021	Date: 15 th June 2021	





ASSIGNEE:

We, **KING ABDULLAH UNIVERSITY OF SCIENCE AND TECHNOLOGY**, having a business at 4700 King Abdullah University of Science and Technology, Thuwal, Kingdom of Saudi Arabia 23955-6900, hereby declare that we accept the rights given in the attached Assignment:

KING ABDULLAH UNIVERSITY OF SCIENCE AND TECHNOLOGY

Name: Sean P. Flanigan

28-Jun-2021 | 16:57 ABST

Date

Title: Director

Technology Transfer Office

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PATENT REEL: 057008 FRAME: 0446

RECORDED: 07/28/2021