### 505817905 12/12/2019

## PATENT ASSIGNMENT COVER SHEET

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NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
AMIR-HOSSEIN SAFAVI-NAEINI	03/10/2018
CHRISTOPHER JOHN SARABALIS	03/15/2018
JEREMY DAVID WITMER	03/15/2018
PATRICIO ARRANGOIZ ARRIOLA	03/15/2018
RAPHAEL FRANK J VAN LAER	03/07/2018

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## **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	16621977

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DATE SIGNED:	12/12/2019

PATENT REEL: 051266 FRAME: 0087

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## Total Attachments: 2

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PATENT REEL: 051266 FRAME: 0088

# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

#### Assignment and Agreement

For value received, I/We, Amir-Hossein SAFAVI-NAEINI, of Palo Alto, California. United States, Christopher John SARABALIS of Menlo Park, California, United States. Jeremy David WITMER of Stanford, California, United States, Patricio ARRANGOIZ ARRIOLA of Stanford, California, United States, Raphael Frank J VAN LAER of Redwood City, California, United States, hereby sell, assign and transfer to The Board of Trustees of the Leland Stanford Junior University, having an office at 3000 El Camino Real, Building Five, Third Floor, Palo Alto, California, 94306-1106, United States, and its successors, assigns and legal representatives, the entire right, title and interest, for the United States of America, in and to all of the inventions disclosed and claimed in United States Patent Application Serial No. 62/527332, filed on June 30, 2017, entitled Acousto-Optic Optical Phased Array, and all the rights and privileges in said applications and under any and all Letters Patent that may be granted in the United States for said inventions. I/We also concurrently hereby sell, assign and transfer to The Board of Trustees of the Leland Stanford Junior University the entire right, title and interest in and to any and all divisional, continuation, continuation-in-part, substitute, reissue, and/or reexamination applications claiming the benefit of said application and any and all Letters Patent that may issue therefrom.

I/We also concurrently hereby sell, assign and transfer to The Board of Trustees of the Leland Stanford Junior University the entire right, title and interest in and to said inventions for all countries foreign to the United States, including all rights of priority arising from the patent applications aforesaid, and all the rights and privileges under any and all forms of protection, including Letters Patent, that may be granted in said countries foreign to the United States for said inventions.

I/We authorize The Board of Trustees of the Leland Stanford Junior University to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from me/us, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

I/We 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 The Board of Trustees of the Leland Stanford Junior University to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

I/We request that any and all patents for said inventions be issued to The Board of Trustees of the Leiand Stanford Junior University in the United States and in all countries foreign to the United States, or to such nominees as The Board of Trustees of the Leiand Stanford Junior University may designate.

I agree that, when requested, I shall, without charge to The Board of Trustees of the Leland Stanford Junior University but at its expense, sign all papers, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection.

Amir-Hossein SAFAVI-NAEINI and Date

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March 18th 2018

Serial Number: 62/527332

Attorney Docket: 146-071PR1

Y== 3/15/1

Christopher John SARABALIS and Date

Jeremy David WITMER and Date

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3/15/2018

Patricio ARRANGOIZ ARRIOLA and Date

- 03/07/20/

Raphael Frank J VAN LAER and Date