504031875 09/30/2016

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

EPAS ID: PAT4078535

CONVEYING PARTY DATA

Name	Execution Date
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ANDREI FARAON	09/02/2015

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15282592

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ATTORNEY DOCKET NUMBER: P1734-USC

NAME OF SUBMITTER: ALESSANDRO STEINFL

SIGNATURE: /Alessandro Steinfl, Reg. No. 56448/

DATE SIGNED: 09/30/2016

Total Attachments: 3

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PATENT 504031875 REEL: 039915 FRAME: 0157

Attorney Docker No. M1/34-US

ASSIGNMENT

We, Yu HORIE, residing in US with a mailing address at 229 S. Wilson Ave, Apt

8, Pasadena, CA 91106,

Amir ARBABI, residing in US with a mailing address at 244 S. El Molino Ave,

Pasadena, CA 91101, and

Andrei FARAON, residing in US with a mailing address at 5306 Palm Drive, La

Canada Flintridge, CA 91011,

hereby sell and assign for good and valuable consideration, the receipt of which

we hereby acknowledge,

to CALIFORNIA INSTITUTE OF TECHNOLOGY, an entity having its principal

place of business in US at 1200 E. California Blvd., M/C 210-85, Pasadena, CA

91125

hereinafter referred to as the assignee, its successors, assigns and nominees,

our entire right, title and interest, including all priority rights under U.S. law and/or

International conventions and treaties, in and to the "OPTICAL PHASED ARRAY

USING GUIDED RESONANCE WITH BACKSIDE REFLECTORS"

invented by us, as described and/or claimed in U.S. Provisional Application No.

62/032,327, filed on August 1, 2014, in the corresponding U.S. Patent Application

No. 14/814,421, filed on July 30, 2015, and in any other related patent

applications filed and/or to be filed not only for, to and in the United States of

America its territories and possessions, but also for, to and in all other countries,

including any and all divisions, reissues, continuations, continuations-in-part and

extensions of said U.S. Patent Application and any and all International patent

applications related to said U.S. Provisional Application No. 62/032,327 and/or

U.S. Patent Application No. 14/814,421, and authorize and request any officials

whose duty it is to issue patents, to issue any patent on said "OPTICAL PHASED"

ARRAY USING GUIDED RESONANCE WITH BACKSIDE REFLECTORS"

PATENT REEL: 039915 FRAME: 0158 and/or improvements thereof or resulting therefrom to said assignee or its successors, assigns or nominees, and agree to testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, continuation-in-part and/or reissue applications, make all rightful oaths and/or declarations and generally do everything possible to aid said assignee, its successors, assigns and nominees to obtain and enforce proper patent protection for said invention in the United States of America and in all other countries.

Subscribed and executed at	Pasadeva	United States			
On_09 /62/2015	' City	Country			
Daib	Inventor Name: <u>Yu</u>	HORIE			
	Inventor Signature				
Witnessed by:					
Witness Name: Syedel Maks	<u>io Komo</u> ∬Signature∠	<u> Lettilia Kemali</u>			
Witness Name: Ehsan Arbo	Signature_	ehn Adli			
Subscribed and executed at	Pasadena	Unied States			
On 09/02/15	City	Country			
Date	Date Inventor Name:Amir ARBABI				
	Inventor SignatureX	Llu:			
Witnessed by:		•			
Witness Name: Seyedak Make	<u>kand</u> Signature	<u> PMaka Fremali</u>			
Witness Name: Ehman Arbo	م الم	Uhm dabalei			

PATENT REEL: 039915 FRAME: 0159

Anomey Docket No. P1734-Uo

Subscribed and executed at 1	asodena	USA	
on 9/2/2015	City	Country	
Oate 1	Inventor Name:	Andrei FARAON	
	Inventor Signature	•	
Witnessed by:		*	
Witness Name: Seyedel Mali	_{Ero.} Kama√Signati	ire <i>I Adisa Ito</i> 3	270L)
Witness Name: Ehsan Arba	bi Signati	ire thin Irlli	

PATENT REEL: 039915 FRAME: 0160

RECORDED: 09/30/2016