

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5777815

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
NIKHIL JAIN	09/23/2019
ANDREW J. RITENOUR	06/15/2018
ILEANA RAU	06/15/2018
CLAUDIO CANIZARES	06/20/2018
LORI D. WASHINGTON	06/23/2018
GANG HE	06/27/2018
BRENDAN M. KAYES	06/20/2018
RECEIVING PARTY DATA	
Name:	ALTA DEVICES, INC.
Street Address:	545 OAKMEAD PARKWAY
City:	SUNNYVALE
State/Country:	CALIFORNIA
Postal Code:	94085
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16657765
CORRESPONDENCE DATA	
Fax Number:	(202)857-6395
<i>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.</i>	
Phone:	202-857-6000
Email:	patentdocket@arentfox.com, Patrick.Lemus@arentfox.com
Correspondent Name:	ARENT FOX LLP
Address Line 1:	1717 K STREET, NW
Address Line 4:	WASHINGTON, D.C. 20006-5344
ATTORNEY DOCKET NUMBER:	037620.00416
NAME OF SUBMITTER:	PATRICK LEMUS
SIGNATURE:	/Patrick Lemus/
DATE SIGNED:	10/18/2019

Total Attachments: 6

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Docket No. 037620.00416

WORLDWIDE ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00 US), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter ASSIGNOR) by

[Insert
ASSIGNEE's
Name(s) and
Address(es)]

ALTA DEVICES, INC.

545 Oakmead Parkway

Sunnyvale, CA 94085

United States

(hereinafter ASSIGNEE), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR agrees to and hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest, including the right to sue for past infringement, if any, and all rights pursuant to 35 U.S.C. §154, to the invention titled

[Title of
Invention]

OPTOELECTRONIC DEVICES MANUFACTURED USING DIFFERENT GROWTH SUBSTRATES

[*If the assignment
is being filed
after the filing of
the application,
this section must
be completed]

for which application for Letters Patent of the United States was executed on even date herewith unless otherwise indicated below:

filed on **October 18, 2019**Serial No.: **16/657,765**

(Arent Fox LLP is hereby authorized to insert the series code, serial number and/or filing date, when known)

and all Letters Patent of the United States and its territorial possessions and in any and all foreign countries to be obtained therefor on said application or any continuation, divisional, continuation-in-part, renewal, substitute, reissue or reexamination thereof, and any other applications claiming priority thereto, including future inventions or improvements, for the full term or terms for which the same may be granted.

The ASSIGNOR agrees to execute all papers necessary in connection with application and any continuing, divisional, continuation-in-part, reissue or reexamination applications thereof and any other applications claiming priority thereto, including future inventions or improvements, also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

The ASSIGNOR agrees to execute all papers necessary in connection with any interference, litigation, or other legal proceeding which may be declared concerning this application or any continuation, divisional, continuation-in-part, reissue or reexamination thereof or Letters Patent or reissue patent issued thereon, and any other applications claiming priority thereto, including future inventions or improvements, and to cooperate with the ASSIGNEE in every way possible in obtaining and producing evidence and proceeding with such interference, litigation, or other legal proceeding.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

[Signature(s)
of Assignor(s)]


(SIGNATURE)**Nikhil JAIN**
(TYPE NAME)**9/23/2019**
(DATE)

Docket No. 037620.00412**WORLDWIDE ASSIGNMENT**

IN CONSIDERATION of the sum of One Dollar (\$1.00 US), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter ASSIGNOR) by

[Insert
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ALTA DEVICES, INC.
545 Oakmead Parkway
Sunnyvale, CA 94085

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[Title of
Invention]

**GROWTH STRUCTURE UNDER A RELEASE LAYER FOR MANUFACTURING OF
OPTOELECTRONIC DEVICES**

[*If the assignment
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be completed]

for which application for Letters Patent of the United States was executed on even date herewith unless otherwise indicated below:

filed on June 14, 2018 **Serial No.:** 16/008,919

(Arent Fox LLP is hereby authorized to insert the series code, serial number and/or filing date, when known)


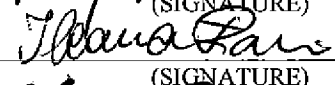

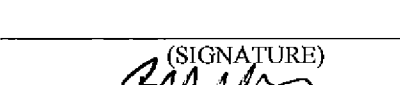


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[Signature(s)
of Assignor(s)]


(SIGNATURE)

(SIGNATURE)

(SIGNATURE)

(SIGNATURE)

(SIGNATURE)

(SIGNATURE)

Andrew J. RITENOUR

(TYPE NAME)

Heana RAU

(TYPE NAME)

Claudio CANIZARES

(TYPE NAME)

Lori D. WASHINGTON

(TYPE NAME)

Brendan M. KAYES

(TYPE NAME)

Gang HE

(TYPE NAME)

6/15/18

(DATE)

6/15/18

(DATE)

6/20/18

(DATE)

6/20/18

(DATE)

6/20/18

(DATE)

PATENT

REEL: 050765 FRAME: 0115

Docket No. 037620.00412

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[Insert
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ALTA DEVICES, INC.

545 Oakmead Parkway

Sunnyvale, CA 94085

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[Title of
Invention]

GROWTH STRUCTURE UNDER A RELEASE LAYER FOR MANUFACTURING OF OPTOELECTRONIC DEVICES

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for which application for Letters Patent of the United States was executed on even date herewith unless otherwise indicated below:

filed on June 14, 2018

Serial No.: 16/008,919

(Arent Fox LLP is hereby authorized to insert the series code, serial number and/or filing date, when known)

and all Letters Patent of the United States and its territorial possessions and in any and all foreign countries to be obtained therefor on said application or any continuation, divisional, continuation-in-part, renewal, substitute, reissue or reexamination thereof, and any other applications claiming priority thereto, including future inventions or improvements, for the full term or terms for which the same may be granted.

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[Signature(s)
of Assignor(s)]

Andrew J. RITENOUR

(SIGNATURE)

(TYPE NAME)

(DATE)

Ilana RAU

(SIGNATURE)

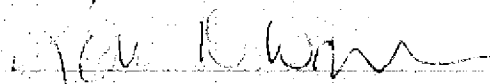
(TYPE NAME)

(DATE)

PATENT**REEL: 050765 FRAME: 0116**

Claudio CANIZARES

(SIGNATURE)



(SIGNATURE)

(TYPE NAME)

Lori D. WASHINGTON

(TYPE NAME)

Brendan M. KAYES

(DATE)

6/23/15

(DATE)

(SIGNATURE)

(TYPE NAME)

(DATE)

Gang HE

(SIGNATURE)

(TYPE NAME)

(DATE)

PATENT

REEL: 050765 FRAME: 0117

Docket No. 037620.00412**WORLDWIDE ASSIGNMENT**

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[Title of
Invention]

**GROWTH STRUCTURE UNDER A RELEASE LAYER FOR MANUFACTURING OF
OPTOELECTRONIC DEVICES**

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[Signature(s)
of Assignor(s)]

Andrew J. RITENOUR(SIGNATURE)(TYPE NAME)(DATE)Ileana RAU(SIGNATURE)(TYPE NAME)(DATE)Claudio CANIZARES(SIGNATURE)(TYPE NAME)(DATE)Lori D. WASHINGTON(SIGNATURE)(TYPE NAME)(DATE)Brendan M. KAYES**PATENT****REEL: 050765 FRAME: 0118**

(SIGNATURE)

(SIGNATURE)

(TYPE NAME)
Gang HE
(TYPE NAME)

(DATE)
6/27/2018
(DATE)