

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4074355

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| MATTHEW S. JOHANNES | 09/26/2016 |
| MATTHEW P. PARA | 08/17/2016 |
| DUANE C. CORNISH | 08/17/2016 |
| DEREK M. ROLLEND | 08/18/2016 |
| SETH D. BILLINGS | 09/16/2016 |
| KAPIL D. KATYAL | 09/07/2016 |
| DEAN M. KLEISSAS | 09/05/2016 |
| JOHN B. HELDER | 09/07/2016 |
| JONATHAN M. OBEN | 09/22/2016 |
| PHILIPPE M. BURLINA | 09/22/2016 |
| PAUL E. ROSENDALL | 08/25/2016 |
| RECEIVING PARTY DATA | |
| Name: | THE JOHNS HOPKINS UNIVERSITY |
| Street Address: | 34TH AND CHARLES STREET |
| City: | BALTIMORE |
| State/Country: | MARYLAND |
| Postal Code: | 21218 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 15206453 |
| CORRESPONDENCE DATA | |
| Fax Number: | (240)228-5254 |
| <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: | 240-228-5640 |
| Email: | noah.hayward@jhuapl.edu |
| Correspondent Name: | THE JOHNS HOPKINS UNIVERSITY APPLIED PHY |
| Address Line 1: | 11100 JOHNS HOPKINS ROAD |
| Address Line 2: | MAIL STOP 7-127 |
| Address Line 4: | LAUREL, MARYLAND 20723-6099 |

PATENT

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|---|--|
| ATTORNEY DOCKET NUMBER: | 4066-SPL |
| NAME OF SUBMITTER: | NOAH J. HAYWARD |
| SIGNATURE: | /Noah J. Hayward/ |
| DATE SIGNED: | 09/29/2016 |
| | This document serves as an Oath/Declaration (37 CFR 1.63). |
| Total Attachments: 11 source=billings#page1.tif source=burlina#page1.tif source=cornish#page1.tif source=helder#page1.tif source=johannes#page1.tif source=katyal#page1.tif source=kleissas#page1.tif source=oben#page1.tif source=para#page1.tif source=rollend#page1.tif source=rosendall#page1.tif | |

**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION
USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT**

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|-------------------------------|---|
| Title of Invention | FACE DETECTION, AUGMENTATION, SPATIAL CUEING AND CLUTTER REDUCTION FOR THE VISUALLY IMPAIRED |
|-------------------------------|---|

As the below named inventor, I hereby declare that:

This declaration ☐ The attached application, or
is directed to: ☒ United States application or PCT international application number 15/206,453
filed on July 11, 2016.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

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.

WHEREAS, The Johns Hopkins University, a corporation organized and existing under the laws of the State of Maryland and having its principal place of business at Baltimore, Maryland, hereinafter referred to as the ASSIGNEE, desires to acquire the entire right, title and interest in and to said invention and to any Letters Patent that may be generated therefore in the United States and its territories and in any and all foreign countries.

NOW, THEREFORE, in consideration of my employment by the ASSIGNEE, I do hereby sell, assign and transfer to the ASSIGNEE the entire right, title and interest in and to said invention in the United States and its territories and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted for said invention in the United States and its territories and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I hereby authorize and request the Patent Office Officials in the United States and its territories and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its successors and assigns, to the full end of the term for which said Letters Patent may be granted.

I hereby further agree to make, execute and deliver to the ASSIGNEE, its successors, assigns and legal representatives, upon request but at the expense of the ASSIGNEE, any and all papers, documents, affidavits, statements or other instruments that may be necessary in the prosecution of the aforesaid application, and of any United States or foreign applications, and of any divisions, reissues, continuations, substitutions and renewals of said application, or applications for reissues of said Letters Patents, and to aid the ASSIGNEE, its successors, assigns and legal representatives in every way in protecting said invention as may be requested, provided, however that I shall not have to pay any expenses arising from extending such assistance.

| | |
|-------------------------------|--------------------------------|
| LEGAL NAME OF INVENTOR | |
| Inventor: | <u>Seth D. Billings</u> |
| Signature: | <u><i>Seth D. Billings</i></u> |
| Date: | <u>2016-09-06</u> |

JHU/APL Docket No.: 4066-SPL

**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION
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LEGAL NAME OF INVENTOR

Inventor: Philippe M. Burlina

Signature: _____

Date: 2/22/16

JHU/APL Docket No.: 4066-SPL

PATENT

REEL: 039889 FRAME: 0038

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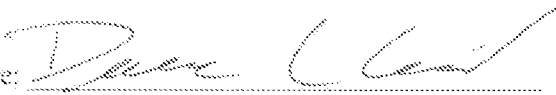
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said application, or applications for reissues of said Letters Patents, and to aid the ASSIGNEE, its successors,
assigns and legal representatives in every way in protecting said invention as may be requested, provided, however
that I shall not have to pay any expenses arising from extending such assistance.

LEGAL NAME OF INVENTOR

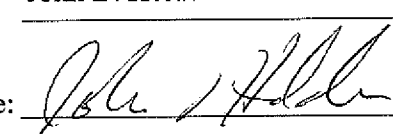
Inventor: Duane C. Cornish

Signature: 

Date: 8/12/16

JHU/API Docket No.: 4066-SPL

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| <p>LEGAL NAME OF INVENTOR</p> <p>Inventor: <u>John B. Helder</u></p> <p>Signature: <u></u> Date: <u>7 Sept 2016</u></p> | |

JHU/APL Docket No.: 4066-SPL

**PATENT
REEL: 039889 FRAME: 0040**

**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION
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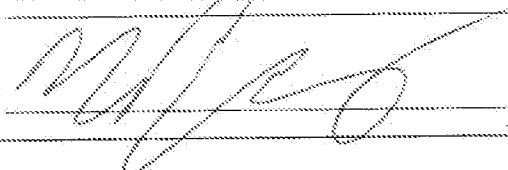
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LEGAL NAME OF INVENTOR

Inventor: Matthew S. Johannes

Signature: 

Date: 9-26-16

JHU/APL Docket No.: 4066-SPL

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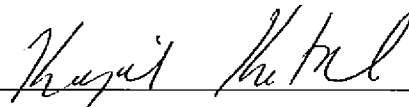
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LEGAL NAME OF INVENTOR

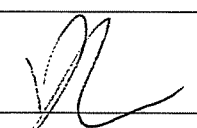
Inventor: Kapil D. Katyal

Signature:  Date: 9/7/2016

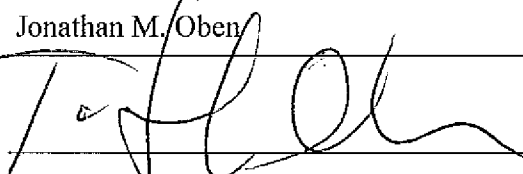
JHU/APL Docket No.: 4066-SPL

PATENT
REEL: 039889 FRAME: 0042

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| <p>LEGAL NAME OF INVENTOR</p> <p>Inventor: <u>Dean M. Kleissas</u></p> <p>Signature: <u></u></p> <p style="text-align: right;">Date: <u>09-05-16</u></p> | |

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| <p>LEGAL NAME OF INVENTOR</p> <p>Inventor: <u>Jonathan M. Oben</u></p> <p>Signature: </p> <p style="text-align: right;">Date: <u>9/22/16</u></p> | |

JHU/APL Docket No.: 4066-SPL

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I hereby further agree to make, execute and deliver to the ASSIGNEE, its successors, assigns and legal representatives, upon request but at the expense of the ASSIGNEE, any and all papers, documents, affidavits, statements or other instruments that may be necessary in the prosecution of the aforesaid application, and of any United States or foreign applications, and of any divisions, reissues, continuations, substitutions and renewals of said application, or applications for reissues of said Letters Patents, and to aid the ASSIGNEE, its successors, assigns and legal representatives in every way in protecting said invention as may be requested, provided, however that I shall not have to pay any expenses arising from extending such assistance.

LEGAL NAME OF INVENTOR

Inventor: Matthew P. Para

Signature: 

Date: 8/17/2016

JHU/APL Docket No.: 4066-SPL

**PATENT
REEL: 039889 FRAME: 0045**

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION
USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT

Title of
Invention

FACE DETECTION, AUGMENTATION, SPATIAL CUEING AND CLUTTER
REDUCTION FOR THE VISUALLY IMPAIRED

As the below named inventor, I hereby declare that:

This declaration
is directed to:



The attached application, or

United States application or PCT international application number

15/206,453

filed on July 11, 2016.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

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.

WHEREAS, The Johns Hopkins University, a corporation organized and existing under the laws of the State of Maryland and having its principal place of business at Baltimore, Maryland, hereinafter referred to as the ASSIGNEE, desires to acquire the entire right, title and interest in and to said invention and to any Letters Patent that may be generated therefore in the United States and its territories and in any and all foreign countries.

NOW, THEREFORE, in consideration of my employment by the ASSIGNEE, I do hereby sell, assign and transfer to the ASSIGNEE the entire right, title and interest in and to said invention in the United States and its territories and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted for said invention in the United States and its territories and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

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LEGAL NAME OF INVENTOR

Inventor: Derek M. Rollend

Signature:



Date:

8/18/16

JHU/APL Docket No.: 4066-SPL

**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION
USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT**

**Title of
Invention**

FACE DETECTION, AUGMENTATION, SPATIAL CUEING AND CLUTTER
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As the below named inventor, I hereby declare that:

This declaration ☐ The attached application, or
is directed to: ☒ United States application or PCT international application number 15/206,453
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LEGAL NAME OF INVENTOR

Inventor: Paul E. Rosendall

Signature: 

Date: 8/25/16

JHU/APL Docket No.: 4066-SPL

PATENT

RECORDED: 09/29/2016

REEL: 039889 FRAME: 0047