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| PATENT ASSIGNMENT COVER SHEET |
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EPAS ID: PAT5816478

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| MAGED F. BARSOUM | 05/19/2011 |
| CHRISTOPHER R. JONES | 05/11/2011 |
| RECEIVING PARTY DATA | |
| Name: | CONSTELLATION DESIGNS, INC. |
| Street Address: | 1563 CALLE PATRICIA |
| City: | PACIFIC PALISADES |
| State/Country: | CALIFORNIA |
| Postal Code: | 90272 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 16206991 |
| CORRESPONDENCE DATA | |
| Fax Number: | (949)852-0004 |
| <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: | 9498520000 |
| Email: | pair@kppb.com |
| Correspondent Name: | KPPB LLP |
| Address Line 1: | 2190 S. TOWNE CENTRE PLACE |
| Address Line 2: | SUITE 300 |
| Address Line 4: | ANAHEIM, CALIFORNIA 92806 |
| ATTORNEY DOCKET NUMBER: | C44-00999.CON6 |
| NAME OF SUBMITTER: | KATRINA LEE |
| SIGNATURE: | /Katrina Lee/ |
| DATE SIGNED: | 11/12/2019 |
| Total Attachments: 5 | |
| source=00999con6assignment#page1.tif | |
| source=00999con6assignment#page2.tif | |
| source=00999con6assignment#page3.tif | |
| source=00999con6assignment#page4.tif | |

RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

Maged F. Barsoum; Christopher R. Jones

Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)

Name: Constellation Designs, Inc.

Internal Address: _____

Street Address: 1563 Calle Patricia

City: Pacific Palisades

State: CA

Country: US Zip: 90272

Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance/Execution Date(s):

Execution Date(s) May 19, 2011; May 11, 2011

- Assignment Merger
 Security Agreement Change of Name
 Joint Research Agreement
 Government Interest Assignment
 Executive Order 9424, Confirmatory License
 Other _____

4. Application or patent number(s):

This document serves as an Oath/Declaration (37 CFR 1.63).

A. Patent Application No.(s)

16/206,991

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address to whom correspondence concerning document should be mailed:

Name: KPPB LLP

Internal Address: Suite 300

Street Address: 2190 S. Towne Centre Place

City: Anaheim

State: CA Zip: 92806

Phone Number: 949.852.0000

Docket Number: J3-00999.CON6

Email Address: pair@kppb.com

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ _____

- Authorized to be charged to deposit account
 Enclosed
 None required (government interest not affecting title)

8. Payment Information

Deposit Account Number 50-4407

Authorized User Name _____

9. Signature:

/Isaac M. Fine/

Signature

November 12, 2019

Date

Isaac M. Fine

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

ASSIGNMENT

WHEREAS, WE, Maged F. Barsoum and Christopher R. Jones, made certain new and useful inventions and improvements for which an application for Letters Patent of the United States entitled **DESIGN METHODOLOGY AND METHOD AND APPARATUS FOR SIGNALING WITH CAPACITY OPTIMIZED CONSTELLATIONS** was filed on June 5, 2008 and having been assigned Application No. 12/156,989;

WHEREAS, Constellation Designs, Inc., a corporation organized and existing under and by virtue of the laws of the State of California, and having an office and place of business at 1563 Calle Patricia, Pacific Palisades, CA 90272 (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefore:

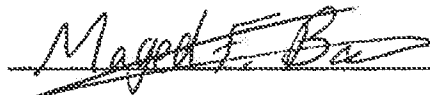
NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, I have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted there from, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted there from; and I do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said

Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

AND, for the consideration aforesaid, I do hereby agree that I and my executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to me relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore, I covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me and that full right to convey the same as herein expressed is possessed by me.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 19th day of May, 2011



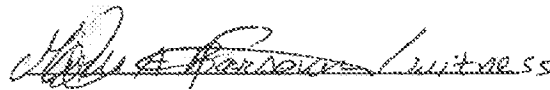
Maged F. Barsoum
18701 Metler Court
Saratoga, CA 95070

STATE OF)
COUNTY OF)

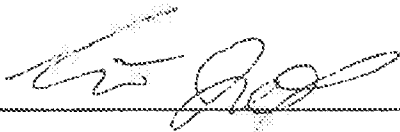
On _____, before me _____, Notary Public, personally appeared **Maged F. Barsoum** personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.


Signature of Notary 5/13/11

IN TESTIMONY WHEREOF, I have hereunto set my hand this 11 day of May, 2011




Christopher R. Jones
1563 Calle Patricia
Pacific Palisades, CA 90272

STATE OF)
COUNTY OF)

On _____, before me _____, Notary Public, personally appeared Christopher R. Jones personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

 / witness
Signature of Notary 5/18/11