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| <b>PATENT ASSIGNMENT COVER SHEET</b> |
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT6259885

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| <b>SUBMISSION TYPE:</b>   | NEW ASSIGNMENT                     |
| <b>NATURE OF CONVEYANCE:</b>  | ASSIGNMENT                         |
| <b>CONVEYING PARTY DATA</b>   |                                    |
| <b>Name</b>   | <b>Execution Date</b>              |
| KANG LUO  | 07/17/2020                         |
| VIKRAMJIT SINGH   | 07/20/2020                         |
| NAI-WEN PI  | 07/17/2020                         |
| SHUQIANG YANG   | 07/17/2020                         |
| FRANK Y. XU   | 07/19/2020                         |
| <b>RECEIVING PARTY DATA</b>   |                                    |
| <b>Name:</b>  | MAGIC LEAP, INC.                   |
| <b>Street Address:</b>  | 7500 W. SUNRISE BLVD.              |
| <b>City:</b>  | PLANTATION                         |
| <b>State/Country:</b>   | FLORIDA                            |
| <b>Postal Code:</b>   | 33322                              |
| <b>PROPERTY NUMBERS Total: 1</b>  |                                    |
| <b>Property Type</b>  | <b>Number</b>                      |
| <b>Application Number:</b>  | 16930897                           |
| <b>CORRESPONDENCE DATA</b>  |                                    |
| <b>Fax Number:</b>  | (949)760-9502                      |
| <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> |                                    |
| <b>Phone:</b>   | 9497600404                         |
| <b>Email:</b>   | efiling@knobbe.com                 |
| <b>Correspondent Name:</b>  | KNOBBE, MARTENS, OLSON & BEAR, LLP |
| <b>Address Line 1:</b>  | 2040 MAIN STREET                   |
| <b>Address Line 2:</b>  | 14TH FLOOR                         |
| <b>Address Line 4:</b>  | IRVINE, CALIFORNIA 92614           |
| <b>ATTORNEY DOCKET NUMBER:</b>  | MLEAP.266A                         |
| <b>NAME OF SUBMITTER:</b>   | KYU S. MIN                         |
| <b>SIGNATURE:</b>   | /Kyu Min/                          |
| <b>DATE SIGNED:</b>   | 08/20/2020                         |
| This document serves as an Oath/Declaration (37 CFR 1.63).  |                                    |

**Total Attachments: 15**

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**COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))**

*Application Data Sheet filed previously or concurrently*

**Docket No.:** MLEAP.266A/ML-0794US

Page 1 of 3

**Title:** DISPLAY DEVICE HAVING DIFFRACTION GRATINGS WITH REDUCED POLARIZATION SENSITIVITY

**Application No.:** 16/930,897

**Filing Date:** July 16, 2020

**Inventors:** **Kang Luo** residing at Austin, TX; **Vikramjit Singh** residing at Pflugerville, TX; **Nai-Wen Pi** residing at Plano, TX; **Shuqiang Yang** residing at Austin, TX; **Frank Y. Xu** residing at Austin, TX.

***Declaration***

This Declaration is directed to U.S. or International Application No. **16/930,897**, filed **July 16, 2020**.

As a named inventor, I declare that:

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 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

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I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

***Assignment from Inventors***

WHEREAS, **above-identified inventors** (individual(s) hereinafter "ASSIGNOR") invented certain new and useful improvements, technology, inventions, developments, ideas, ornamental designs, or discoveries related to **DISPLAY DEVICE HAVING DIFFRACTION GRATINGS WITH REDUCED POLARIZATION SENSITIVITY** (collectively hereinafter referred to as the "Work") for which an application for Letters Patent in the United States (identified above) has been filed or prepared for filing with the United States Patent and Trademark Office (hereinafter the "Application"), and ASSIGNOR desires to assign or confirm assignment of the Work and the Application to the below identified Assignee.

AND WHEREAS, **Magic Leap, Inc.**, a Delaware Corporation, with a place of business at **7500 W. Sunrise Blvd., Plantation, FL 33322** (hereinafter the "ASSIGNEE"), desires to acquire or confirm ownership of the entire right, title, and interest in and to the Application and the Work.

NOW, THEREFORE, for good and valuable consideration of which receipt is hereby acknowledged, ASSIGNOR hereby acknowledges that ASSIGNOR has sold, assigned, transferred, and set over, and by these presents does hereby sell, assign, transfer, and set over, unto said ASSIGNEE, its successors, legal representatives, and assigns, the entire right, title, and interest throughout the world in and to the Application and the Work, including: all provisional applications relating to the Work and the Application (including but not limited to U.S. Provisional Application Nos. **62/876205** and **62/902328**, filed **July 19, 2019** and **September 18, 2019**, respectively; all nonprovisional applications claiming priority to aforementioned provisionals and/or the Application, including, all divisions, continuations, continuations-in-part, and reissues, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof; and all rights of priority under International Conventions and any related Letters Patent which may hereafter be granted or filed in any country or countries foreign to the United States, all extensions, renewals, and reissues thereof.

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AND ASSIGNOR DOES HEREBY sell, assign, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of said Letters Patent before or after issuance.

AND ASSIGNOR DOES HEREBY covenant and agree that ASSIGNOR will: communicate, to said ASSIGNEE, its successors, legal representatives, and assigns, any facts known to ASSIGNOR respecting the Work; testify in any legal proceeding; assist in the preparation of any other patent application or other patent property relating to the Application and the Work or any improvements made thereto; sign/execute all lawful papers; authorize the filing of, execute, and make all rightful oaths and/or declarations in connection with the Application and the Work including any improvements made thereto, any patent applications filed therefrom, and any continuing application filed from any of the aforementioned applications; and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives, and assigns, to obtain and enforce proper patent protection for the Work in all countries. If ASSIGNOR is requested by the owner of the rights conveyed hereby to take action under this paragraph the owner shall reimburse ASSIGNOR for reasonable out-of-pocket expenses actually paid by ASSIGNOR and incurred and paid as a result of complying with the owner's request; provided that receipts showing the amount actually paid are submitted to such owner.

Legal Name of inventor: Kang Luo

Signature: 

Date: 7/17/2020

Legal Name of inventor: Vikramjit Singh

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Legal Name of inventor: Nai-Wen Pi

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

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**Legal Name of inventor:** Shuqiang Yang

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**Legal Name of inventor:** Frank Y. Xu

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

The Assignee hereby acknowledges and accepts the foregoing assignment.

Assignee: MAGIC LEAP, INC.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Name: David C. Lundmark

Title: Chief Patent Officer

33166180

**COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))**

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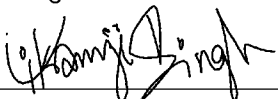
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**Legal Name of inventor:** Kang Luo

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

**Legal Name of inventor:** Vikramjit Singh

Signature:  \_\_\_\_\_

Date: 07-20-2020

**Legal Name of inventor:** Nai-Wen Pi

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

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**Legal Name of inventor:** Shuqiang Yang

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**Legal Name of inventor:** Frank Y. Xu

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

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**Legal Name of Inventor:** Kang Luo

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

**Legal Name of inventor:** Vikramjit Singh

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

**Legal Name of inventor:** Nai-Wen Pi

Signature:  \_\_\_\_\_

Date: 9/19/2020

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Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**Legal Name of inventor:** Frank Y. Xu

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

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Name: David C. Lundmark

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AND ASSIGNOR DOES HEREBY sell, assign, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of said Letters Patent before or after issuance.

AND ASSIGNOR DOES HEREBY covenant and agree that ASSIGNOR will: communicate, to said ASSIGNEE, its successors, legal representatives, and assigns, any facts known to ASSIGNOR respecting the Work; testify in any legal proceeding; assist in the preparation of any other patent application or other patent property relating to the Application and the Work or any improvements made thereto; sign/execute all lawful papers; authorize the filing of, execute, and make all rightful oaths and/or declarations in connection with the Application and the Work including any improvements made thereto, any patent applications filed therefrom, and any continuing application filed from any of the aforementioned applications; and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives, and assigns, to obtain and enforce proper patent protection for the Work in all countries. If ASSIGNOR is requested by the owner of the rights conveyed hereby to take action under this paragraph the owner shall reimburse ASSIGNOR for reasonable out-of-pocket expenses actually paid by ASSIGNOR and incurred and paid as a result of complying with the owner's request; provided that receipts showing the amount actually paid are submitted to such owner.

**Legal Name of inventor:** Kang Luo

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

**Legal Name of inventor:** Vikramjit Singh

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

**Legal Name of inventor:** Nai-Wen Pi

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

**COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))**

*Application Data Sheet filed previously or concurrently*

Docket No.: MLEAP.266A/ML-0794US

Page 3 of 3

Title: DISPLAY DEVICE HAVING DIFFRACTION GRATINGS WITH REDUCED POLARIZATION SENSITIVITY

Application No.: 16/930,897

Filing Date: July 16, 2020

Inventors: Kang Luo residing at Austin, TX; Vikramjit Singh residing at Pflugerville, TX; Nai-Wen Pi residing at Plano, TX; Shuqiang Yang residing at Austin, TX; Frank Y. Xu residing at Austin, TX.

Legal Name of inventor: Shuqiang Yang

Signature: Shuqiang Yang Date: 07/17/2020

Legal Name of inventor: Frank Y. Xu

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

The Assignee hereby acknowledges and accepts the foregoing assignment.

Assignee: MAGIC LEAP, INC.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Name: David C. Lundmark

Title: Chief Patent Officer

33166180

**COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))**

*Application Data Sheet filed previously or concurrently*

**Docket No.:** MLEAP.266A/ML-0794US

Page 1 of 3

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***Declaration***

This Declaration is directed to U.S. or International Application No. **16/930,897**, filed **July 16, 2020**.

As a named inventor, I declare that:

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 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

I have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

***Assignment from Inventors***

WHEREAS, **above-identified inventors** (individual(s) hereinafter "ASSIGNOR") invented certain new and useful improvements, technology, inventions, developments, ideas, ornamental designs, or discoveries related to **DISPLAY DEVICE HAVING DIFFRACTION GRATINGS WITH REDUCED POLARIZATION SENSITIVITY** (collectively hereinafter referred to as the "Work") for which an application for Letters Patent in the United States (identified above) has been filed or prepared for filing with the United States Patent and Trademark Office (hereinafter the "Application"), and ASSIGNOR desires to assign or confirm assignment of the Work and the Application to the below identified Assignee.

AND WHEREAS, **Magic Leap, Inc.**, a Delaware Corporation, with a place of business at **7500 W. Sunrise Blvd., Plantation, FL 33322** (hereinafter the "ASSIGNEE"), desires to acquire or confirm ownership of the entire right, title, and interest in and to the Application and the Work.

NOW, THEREFORE, for good and valuable consideration of which receipt is hereby acknowledged, ASSIGNOR hereby acknowledges that ASSIGNOR has sold, assigned, transferred, and set over, and by these presents does hereby sell, assign, transfer, and set over, unto said ASSIGNEE, its successors, legal representatives, and assigns, the entire right, title, and interest throughout the world in and to the Application and the Work, including: all provisional applications relating to the Work and the Application (including but not limited to U.S. Provisional Application Nos. **62/876205** and **62/902328**, filed **July 19, 2019** and **September 18, 2019**, respectively; all nonprovisional applications claiming priority to aforementioned provisionals and/or the Application, including, all divisions, continuations, continuations-in-part, and reissues, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof; and all rights of priority under International Conventions and any related Letters Patent which may hereafter be granted or filed in any country or countries foreign to the United States, all extensions, renewals, and reissues thereof.

**COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))**

*Application Data Sheet filed previously or concurrently*

**Docket No.:** MLEAP.266A/ML-0794US

Page 2 of 3

**Title:** DISPLAY DEVICE HAVING DIFFRACTION GRATINGS WITH REDUCED POLARIZATION SENSITIVITY

**Application No.:** 16/930,897

**Filing Date:** July 16, 2020

**Inventors:** **Kang Luo** residing at Austin, TX; **Vikramjit Singh** residing at Pflugerville, TX; **Nai-Wen Pi** residing at Plano, TX; **Shuqiang Yang** residing at Austin, TX; **Frank Y. Xu** residing at Austin, TX.

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**Legal Name of inventor:** Kang Luo

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

**Legal Name of inventor:** Vikramjit Singh

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

**Legal Name of inventor:** Nai-Wen Pi

Signature: \_\_\_\_\_

Date: \_\_\_\_\_



**COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))**

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Docket No.: MLEAP.266A/ML-0794US

Page 3 of 3

Title: DISPLAY DEVICE HAVING DIFFRACTION GRATINGS WITH REDUCED POLARIZATION SENSITIVITY

Application No.: 16/930,897

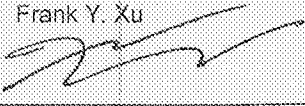
Filing Date: July 16, 2020

Inventors: Kang Luo residing at Austin, TX; Vikramjit Singh residing at Pflugerville, TX; Nai-Wen Pi residing at Plano, TX; Shuqiang Yang residing at Austin, TX; Frank Y. Xu residing at Austin, TX.

Legal Name of inventor: Shuqiang Yang


Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Legal Name of inventor: Frank Y. Xu

Signature:  \_\_\_\_\_ Date: July 19, 2020

The Assignee hereby acknowledges and accepts the foregoing assignment.

Assignee: MAGIC LEAP, INC

Signature:  \_\_\_\_\_ Date: 8-13-20

Name: David C. Lundmark

Title: Chief Patent Officer

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