PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4869599

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------|----------------|
| SANG PIL KIM | 02/28/2018 |
| DA YEON LEE | 02/27/2018 |
| HWANG SUB KOO | 02/27/2018 |
| HYUN JE KIM | 02/27/2018 |
| HEE SEOK JUNG | 02/27/2018 |

RECEIVING PARTY DATA

| Name: | GIGALANE CO., LTD. |
|-----------------|---|
| Street Address: | (SEOKWOO-DONG) 46, SAMSUNG 1-RO 5-GIL, HWASEONG-SI, GYEONGGI-DO |
| City: | HWASEONG-SI |
| State/Country: | KOREA, REPUBLIC OF |
| Postal Code: | 18449 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 15923070 |

CORRESPONDENCE DATA

Fax Number:

504822864

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.

Phone: 703-263-9390

Email: lex1233@lexipgroup.com
Correspondent Name: LEX IP MEISTER, PLLC

Address Line 1: 5180 PARKSTONE DRIVE, SUITE 175

Address Line 4: CHANTILLY, VIRGINIA 20151

| ATTORNEY DOCKET NUMBER: | BPI20184206US |
|-------------------------|--|
| NAME OF SUBMITTER: | JONGWON KIM |
| SIGNATURE: | /jwkim/ |
| DATE SIGNED: | 03/16/2018 |
| | This document serves as an Oath/Declaration (37 CFR 1.63). |

PATENT REEL: 045251 FRAME: 0252

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PATENT REEL: 045251 FRAME: 0253

COMBINED DECLARATION AND ASSIGNMENT (37 CFR 1.63)

As the below named inventor, I hereby declare that this Declaration is directed to:

TITLE: PLEXIBLE CIRCUIT BOARD HAVING ENHANCED BENDING DURABILITY AND METHOD FOR PREPARING SAME

| the specification of which: (complete (a), (b) or (c)) (a) [] is attached hereto. | |
|---|--|
| (b) [] was filed in the U.S. Patent & Trademark Office on | |
| and was amended on | lication No. <u>PCT/KR2016/007593</u> filed on |
| The above-identified application was made or authorized to original inventor or an original joint inventor of a claimed inventor | · · · · · · · · · · · · · · · · · · · |
| WHEREAS, | |
| ASSIGNEE: GigaLane Co., Ltd. | |
| ADDRESS: (Scokwoo-dong) 46, Samsung 1-ro 5-gil, Hwase Korea | cong-si, Gyconggi-do, 18449, Republic of |
| is desirous of acquiring the entire right, title and interest in and Patent that may be granted therefore in the United States and foreign countries. | |
| | |

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I, by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions 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 territorial possessions 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 (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment and sale not been made.

Further, I agree that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

Page 1 of 2

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.

Address all correspondence and telephone calls to LEX IP MEISTER, PLLC., 5180 Parkstone Drive, Suite 175, Chantilly, Virginia 20151; Telephone: (703) 263-9390; Fax: (703) 263-9361, Customer No. 66390.

| FIRST INVENTOR: | Kim, Sang Pil | | |
|-------------------------|----------------|---------------------|----------|
| Signature: | Kim, Sang Pil | Date: Feb 28, 20/8 | ******* |
| SECOND INVENTOR: | Lee, Da Yeon | | |
| Signature: <u>OrCVI</u> | | Date: Feb. 27, 2018 | |
| THIRD INVENTOR: | Koo, Hwang Sob | | |
| Signature: | | Dafe: | |
| FOURTH INVENTOR: | Kim, Hyun Je | | |
| Signature: | | Date: | ******** |
| FIFTH INVENTOR: | Jung, Hee Scok | | |
| Signature: | | Date: | |
| | | | |
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COMBINED DECLARATION AND ASSIGNMENT (37 CFR 1.63)

As the below named inventor, I hereby declare that this Declaration is directed to:

TITLE: FLEXIBLE CIRCUIT BOARD HAVING ENHANCED BENDING DURABILITY AND METHOD FOR PREPARING SAME

| the specification of which: (complete (a), (b) or (c)) (a) [] is attached hereto. | |
|---|--|
| (b) [] was filed in the U.S. Patent & Trademark Office on | |
| and was amended on | (if applicable). |
| (c) [X] was described and claimed in PCT International Applic <u>July 13, 2016</u> and as amended under PCT Article on | cation No. PCT/KR2016/007593 filed on |
| The above-identified application was made or authorized to boriginal inventor or an original joint inventor of a claimed invent | |
| WHEREAS, | |
| ASSIGNEE: GigaLane Co., Ltd. | |
| ADDRESS: (Seekwoo-dong) 46, Samsung 1-ro 5-gil, Hwasee Korea | ng-si, Gyeonggi-do, 18449, Republic of |
| is desirous of acquiring the entire right, title and interest in and t Patent that may be granted therefore in the United States and its foreign countries. | |

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| FIRST INVENTOR: | Kim, Sang Pil | |
|------------------|----------------|--------------------|
| Signature: | | Date: |
| SECOND INVENTOR: | Lee, Da Yeon | |
| Signature: | | Date: |
| THIRD INVENTOR: | Koo, Hwang Sub | |
| Signature: | | Date: Fol 27, 2018 |
| FOURTH INVENTOR: | Kim, Hyun Je | |
| Signature: | | Date: |
| FIFTH INVENTOR: | Jung, Hee Seok | |
| Signature: | | Date: |

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| the specification of which: (complete (a), (b) or (c)) |
|--|
| (a) [] is attached hereto. |
| (b) [] was filed in the U.S. Patent & Trademark Office on and assigned Serial No.: |
| and was amended on(if applicable). |
| (c) [X] was described and claimed in PCT International Application No. PCT/KR2016/007593 filed on July 13, 2016 and as amended under PCT Article on (if any). |
| 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. |
| WHEREAS, |
| ASSIGNEE: GigaLane Co., Ltd. |
| ADDRESS: (Seekwoo-dong) 46, Samsung 1-ro 5-gil, Hwaseong-si, Gyeenggi-do, 18449, Republic of Korea |
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| Signature: | | Date: | |
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| THIRD INVENTOR: | Koo, Hwang Sub | | |
| Signature: | | Date: | |
| FOURTH INVENTOR: | Kim; Hyon Je | | |
| Signature: | | Date: Feb 27, 2018 | ****** |
| | Jung, Hee Seok | | |
| Signature: | | Date: Feb 29, 20/8 | ****** |

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PATENT REEL: 045251 FRAME: 0259