06/14/2019 505525141

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5571946

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HWA YOON SONG	06/03/2019
SANG MIN SEO	06/04/2019
EUN JUNG KIM	06/03/2019
JIN UK LEE	06/12/2019
KYUNG HUN JUNG	06/06/2019
HEE SEOK JUNG	06/10/2019

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	16441047	

CORRESPONDENCE DATA

Fax Number: (703)684-1460

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: 7036841470

Mduell@brundidge-stanger.com Email:

Correspondent Name: MISUNG LEE

1925 BALLENGER AVE. Address Line 1:

Address Line 2: SUITE 560

Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	4690.856BS
NAME OF SUBMITTER:	MISUNG LEE
SIGNATURE:	/Misung Lee/
DATE SIGNED:	06/14/2019
	This document serves as an Oath/Declaration (37 CFR 1.63).

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REEL: 049466 FRAME: 0613 505525141

Total Attachments: 6 source=4690_2019.06.14_Decs-Assign#page1.tif source=4690_2019.06.14_Decs-Assign#page2.tif source=4690_2019.06.14_Decs-Assign#page3.tif source=4690_2019.06.14_Decs-Assign#page4.tif source=4690_2019.06.14_Decs-Assign#page5.tif source=4690_2019.06.14_Decs-Assign#page6.tif

PATENT REEL: 049466 FRAME: 0614

Title of BOARD-MATING CONNECTOR WITH REDUCED COUPLING HEIGHT Invention
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
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, GigaLane Co., Ltd. (hereinafter referred to as "ASSIGNEE") located at: 46, Samsung 1-ro 5-gil, Hwaseong-si, Gyeonggi-do, 18449, Republic of Korea, is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;
NOW, THEREFORE, in consideration of the sum of ONE DOLLAR (\$1.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I, by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors and assigns, 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 prioriby 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, reexaminations or reissues, continuations or continuations-in-part 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 its successors and assigns, as the assignee of my entire right, title and interest in and to the same, for the sold use and behalf of said ASSIGNEE, its 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 representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional continuation or continuation-in-part, substitute, renewal, and reexamination or reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, its successors and assigns, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE its 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.
Further, I hereby authorize the Law Firm of Brundldge & Stanger, P.C. to insert on this assignment any furthe identification which may be necessary or desirable by Patent Office Officials in the United States and its territoria possessions and any and all foreign countries in order to comply with the rules of said Patent Office Officials fo recordation of this document.
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. LEGAL NAME OF INVENTOR
Inventor: Hwa Yogn Song Date: 2019 6 9
Signature:

BRUNDIDGE & STANGER, P.C. 1925 BALLENGER AVENUE, SUITE 560 ALEXANDRIA, VIRGINIA 22314

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PATENT
REEL: 049466 FRAME: 0615

Title of BOARD-MATING CONNECTOR WITH REDUCED COUPLING HEIGHT Invention
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
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, <u>GigaLane Co., Ltd.</u> (hereinafter referred to as "ASSIGNEE") located at: <u>46, Samsung 1-ro 5-gil.</u> Hwaseong-si, Gyeonggi-do, 18449, Republic of Korea, is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;
NOW, THEREFORE, in consideration of the sum of ONE DOLLAR (\$1.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I, by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors and assigns, 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, reexaminations or reissues, continuations or continuations-in-part, 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, its successors and assigns, as the assignee of my entire right, title and interest in and to the same, for the sole use and behalf of said ASSIGNEE, its 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 representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation or continuation-in-part, substitute, renewal, and reexamination or reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, its successors and assigns, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its 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.
Further, I hereby authorize the Law Firm of Brundidge & Stanger, P.C. to insert on this assignment any further identification which may be necessary or desirable by Patent Office Officials in the United States and its territorial possessions and any and all foreign countries in order to comply with the rules of said Patent Office Officials for recordation of this document.
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. LEGAL NAME OF INVENTOR
Inventor: Sang Min Seo Date: 04 JUN 2019
Signature:

BRUNDIDGE & STANGER, P.C. 1925 BALLENGER AVENUE, SUITE 560 ALEXANDRIA, VIRGINIA 22314

Title of BOARD-MATING CONNECTOR WITH REDUCED COUPLING HEIGHT Invention
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
filed on
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, Gigal.ane Co., Ltd. (hereinafter referred to as "ASSIGNEE") located at: 46, Samsung 1-ro 5-gil, Hwasecng-si, Gyeongg-do, 18449, Republic of Korea, is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;
NOW, THEREFORE, in consideration of the sum of ONE DOLLAR (\$1.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I, by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors and assigns, 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, reexaminations or reissues, continuations or continuations-in-part, 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, its successors and assigns, as the assignee of my entire right, title and interest in and to the same, for the sole use and behalf of said ASSIGNEE, its 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 representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation or continuation-in-part, substitute, renewal, and reexamination or reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, its successors and assigns, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its 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.
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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. LEGAL NAME OF INVENTOR
Inventor: Eun Jung Kim Date: 2019.5.2
Signature:

BRUNDIDGE & STANGER, P.C. 1925 BALLENGER AVENUE, SUITE 560 ALEXANDRIA, VIRGINIA 22314

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PATENT REEL: 049466 FRAME: 0617

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Title of Invention	BOARD-MATING CONNECTOR WITH	H REDUCED CO	DUPLING HER	3HT
As the below name	ed inventor, I hereby declare that			
This declaration	The attached application or			
is directed to	United States application or PCT inte	mational applicat	ion number	
Delieve that Lami WHEREAS Gigal Hwaseong's Gye interest in and to s	ed application was made or authorized to be the original inventor or an original joint invented of an editional joint invented Co. Ltd. (hereinafter referred to as "Aleonggi-do", 18449. Republic of Korea is destaid invention and in and to any Letters Patellonal possessions and in any and all foreign	ntor of a claimed BSIGNEE®) locate rous of acquiring ent that may be g	ed at <u>46_Sams</u> the entire right	ung 1-ro 5-gi. title and
acknowledged and transfer unto said the United States under the terms of from the aforesaid may be granted the	FORE in consideration of the sum of ONE and for other good and valuable consideration ASSIGNEE its successors and assigns it and its territorial possessions and in all force of the international Convention and other red application) and the entire right fille and it herefor in the United States and its territorial and all divisions, reexaminations or renewals thereof	n I, by these pres he full and exclus eigh countries (in elevant Internatio iterest in and to i possessions and	sents do hereb ive right to the cluding the righ nal Treatles ar any and all Lett Lin any and all	y self, assign and said invention in to claim priority of Arrangements ers. Patent which foreign countries.
and any and all for its successors and second behalf of	rize and request the Patent Office Officials breign countries to issue any and all of said to diassigns, as the assignee of my entire right said ASSIGNEE, its successors and assign arited, as fully and entirely as the same would de	etters Patent, who title and interest site to the full end of	en granted to in and to the s of the term for v	said ASSIGNEE ame for the sole high said Letters
respecting said in continuation or co- necessary assign successors and as- its successors and its temporal posses	e that I will communicate to said ASSIGNS rention, and testify in any legal proceeding injustion in part, substitute, renewal, and ment papers to cause any and all of said Lasigns, make all rightful caths, and general assigns, to obtain and enforce proper processions and in any and all foreign countries.	ig sign all lawfu reexamination or effers Patent to b lly do everything fection for said in	papers, exective subjects of the subject of the subject of the least o	ute all divisional fronts execute all divisions of ASSIONEE (IS said ASSIONEE (Interest and
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BRONDING & STANGER P.C.

STANGER STANGER P.C.

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Signature

PATENT REEL: 049466 FRAME: 0618

Title of Invention	BOARD-MATING CONNECTOR WITH REDUCED COUPLING HEIGHT	
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 numbered on	
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, GigaLane Co., Ltd. (hereinafter referred to as "ASSIGNEE") located at: 46, Samoung 1-ro 5-gii,  Hwaseong-si, Gyeonggi-do, 18449, Republic of Korea, is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;		
NOW, THEREFORE, in consideration of the sum of ONE DOLLAR (\$1.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I, by these presents do hereby sell, assign and transfer unto said ASSiGNEE, its successors and assigns, 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, reexaminations or reissues, continuations or continuations-in-part, substitutions, and renewals thereof.		
and any and all foreiq its successors and as use and behalf of sai	and request the Patent Office Officials in the United States and its territorial possessions on countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE, ssigns, as the assignee of my entire right, title and interest in and to the same, for the sole d ASSIGNEE, its successors and assigns, to the full end of the term for which said Letters and assigns and assigns and entirely as the same would have been held by me had this Assignment and	
respecting said inver continuation or continuation or continua	nat I will communicate to said ASSIGNEE or its representatives any facts known to me ntion, and testify in any legal proceeding, sign all lawful papers, execute all divisional, nuation-in-part, substitute, renewal, and reexamination or reissue applications, execute all nt papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, its gns, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, asigns, to obtain and enforce proper protection for said invention in the United States and ons and in any and all foreign countries.	
identification which m	uthorize the Law Firm of Brundidge & Stanger, P.C. to insert on this assignment any further ay be necessary or desirable by Patent Office Officials in the United States and its territorial and all foreign countries in order to comply with the rules of said Patent Office Officials for cument.	
	<b>;</b>	
Inventor: <u>Kyung Hun</u> Signature:	Jung Date: 4th June 2019	
Signature:		

BRUNDIDGE & STANGER, P.C. 1925 BALLENGER AVENUE, SUITE 560 ALEXANDRIA, VIRGINIA 22314

PATENT
REEL: 049466 FRAME: 0619 100 800

Invention	BOARD-MATING CONNECTOR WITH REDUCED COUPLING HEIGHT
As the below named	inventor, I hereby declare that:
This declaration [	X The attached application, or
	United States application or PCT international application number
I believe that I am th WHEREAS, GigaLai Hwaseong-si. Gyeor interest in and to sai	application was made or authorized to be made by me. e original inventor or an original joint inventor of a claimed invention in the application. ne Co., Ltd. (hereinafter referred to as "ASSIGNEE") located at: 46, Samsung 1-ro 5-gil. nggi-do, 18449, Republic of Korea, is desirous of acquiring the entire right, title and d invention and in and to any Letters Patent that may be granted therefore in the United rial possessions and in any and all foreign countries;
acknowledged, and transfer unto said A the United States ar under the terms of from the aforesaid a may be granted ther	ORE, in consideration of the sum of ONE DOLLAR (\$1.00), the receipt whereof is hereby for other good and valuable consideration, I, by these presents do hereby sell, assign and SSIGNEE, its successors and assigns, the full and exclusive right to the said invention in hid its territorial possessions and in all foreign countries (including the right to claim priority the International Convention and other relevant International Treaties and Arrangements application) and the entire right, title and interest in and to any and all Letters Patent which refor in the United States and its territorial possessions and in any and all foreign countries and all divisions, reexaminations or reissues, continuations or continuations-in-part, newals thereof.
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respecting said invector continuation or continuation or continuessary assignments of the successors and assits successors and a	that I will communicate to said ASSIGNEE or its representatives any facts known to me ention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, inuation-in-part, substitute, renewal, and reexamination or reissue applications, execute all ent papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, its igns, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, assigns, to obtain and enforce proper protection for said invention in the United States and sions and in any and all foreign countries.
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	edge that any willful false statement made in this declaration is punishable under 18 U.S.C. isonment of not more than five (5) years, or both.
Inventor: Hee seok	Jung Date: <u>[0. June .20</u> 9

BRUNDIDGE & STANGER, P.C. 1925 BALLENGER AVENUE, SUITE 560 ALEXANDRIA, VIRGINIA 22314

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