

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT5763495

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
IN-SO KWEON	08/18/2019
YUKYUNG CHOI	08/18/2019
RECEIVING PARTY DATA	
Name:	KOREA ADVANCED INSTITUTE OF SCIENCE AND TECHNOLOGY
Street Address:	291 DAEHAK-RO, YUSEONG-GU
City:	DAEJEON
State/Country:	KOREA, REPUBLIC OF
Postal Code:	34141
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16487557
CORRESPONDENCE DATA	
Fax Number:	
<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:	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:	LPP20192402US
NAME OF SUBMITTER:	JONGWON KIM
SIGNATURE:	/jwkim/
DATE SIGNED:	10/10/2019
	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 8	
source=LPP20192402US_DEC_ASSIGN#page1.tif	
source=LPP20192402US_DEC_ASSIGN#page2.tif	
source=LPP20192402US_DEC_ASSIGN#page3.tif	
source=LPP20192402US_DEC_ASSIGN#page4.tif	

source=LPP20192402US_DEC_ASSIGN#page5.tif

source=LPP20192402US_DEC_ASSIGN#page6.tif

source=LPP20192402US_DEC_ASSIGN#page7.tif

source=LPP20192402US_DEC_ASSIGN#page8.tif

COMBINED DECLARATION AND ASSIGNMENT (37 CFR 1.63)

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

TITLE: APPARATUS AND METHOD FOR DEPTH ESTIMATION BASED ON THERMAL IMAGE, AND NEURAL NETWORK LEARNING METHOD THEREFOF

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) was described and claimed in PCT International Application No. PCT/KR2017/009273 filed on August 24, 2017 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: KOREA ADVANCED INSTITUTE OF SCIENCE AND TECHNOLOGY
ADDRESS : 291 Daehak-ro, Yuseong-gu, Daejeon 34141, 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 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.

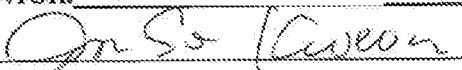
I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the ASSIGNEE of my entire right, title and interest in and to the same, for 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.

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: In-So KWEON

Signature: 

Date: August 18, 2019

SECOND INVENTOR: Yukyung CHOI

Signature: _____

Date: _____

THIRD INVENTOR: Nam H KIM

Signature: _____

Date: _____

FOURTH INVENTOR: Soonmin HWANG

Signature: _____

Date: _____

COMBINED DECLARATION AND ASSIGNMENT (37 CFR 1.63)

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

TITLE: APPARATUS AND METHOD FOR DEPTH ESTIMATION BASED ON THERMAL IMAGE, AND NEURAL NETWORK LEARNING METHOD THEREFOF

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) was described and claimed in PCT International Application No. PCT/KR2017/009273 filed on August 24, 2017 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: KOREA ADVANCED INSTITUTE OF SCIENCE AND TECHNOLOGY
ADDRESS : 291 Daehak-ro, Yuseong-gu, Daejeon 34141, 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 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.

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.

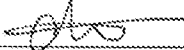
Address all correspondence and telephone calls to LEX IP MEISTER, PLLC., 5180 Parkstone Drive, Suite 175, Chantilly, Virginia 20151; Telephone: (703) 263-9390; Fax: (703) 263-9361, Customer No. 66390.

FIRST INVENTOR: In-So KWEON

Signature: _____

Date: _____

SECOND INVENTOR: Yukyung CHOI

Signature:  _____

Date: August 18, 2019 _____

THIRD INVENTOR: Nam H KIM

Signature: _____

Date: _____

FOURTH INVENTOR: Seonmin HWANG

Signature: _____

Date: _____

COMBINED DECLARATION AND ASSIGNMENT (37 CFR 1.63)

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

TITLE: APPARATUS AND METHOD FOR DEPTH ESTIMATION BASED ON THERMAL IMAGE, AND NEURAL NETWORK LEARNING METHOD THEREFOF

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) was described and claimed in PCT International Application No. PCT/KR2017/009273 filed on August 24, 2017 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: KOREA ADVANCED INSTITUTE OF SCIENCE AND TECHNOLOGY
ADDRESS : 291 Daehak-ro, Yuseong-gu, Daejeon 34141, 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 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.

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: In-So KWEON _____

Signature: _____

Date: _____

SECOND INVENTOR: Yukyung CHOI _____

Signature: _____

Date: _____

THIRD INVENTOR: Nam Il KIM _____

Signature: Nam Il KIM _____

Date: August 18, 2019 _____

FOURTH INVENTOR: Soomun HWANG _____

Signature: _____

Date: _____

COMBINED DECLARATION AND ASSIGNMENT (37 CFR 1.63)

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

TITLE: APPARATUS AND METHOD FOR DEPTH ESTIMATION BASED ON THERMAL IMAGE, AND NEURAL NETWORK LEARNING METHOD THEREFOF

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) was described and claimed in PCT International Application No. PCT/KR2017/009273 filed on August 24, 2017 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: KOREA ADVANCED INSTITUTE OF SCIENCE AND TECHNOLOGY
ADDRESS : 291 Daehak-ro, Yuseong-gu, Daejeon 34141, 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 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.

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: In-So KWEON _____

Signature: _____

Date: _____

SECOND INVENTOR: Yukyung CHOI _____

Signature: _____

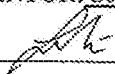
Date: _____

THIRD INVENTOR: Nam II KIM _____

Signature: _____

Date: _____

FOURTH INVENTOR: Soonmin HWANG _____

Signature: _____ 

Date: _____ Aug 6, 2019