507450174 08/22/2022

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7497065

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SEONG HYEON SHIN	08/12/2022
JISU JEON	08/17/2022
DAE HWANG KIM	08/12/2022
JONGEUN PARK	08/17/2022
SEUNG-BIN KIM	08/17/2022

RECEIVING PARTY DATA

Name:	NAVER CORPORATION
Street Address:	NAVER 1784, 95, JEONGJAIL-RO, BUNDANG-GU,
City:	SEONGNAM-SI, GYEONGGI-DO
State/Country:	KOREA, REPUBLIC OF

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17820354

CORRESPONDENCE DATA

Fax Number: (312)360-9315

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: 13123600080

Email: kmckenzie@gbc.law

Correspondent Name: GREER BURNS & CRAIN LTD.

Address Line 1: 300 S. WACKER DRIVE, SUITE 2500

Address Line 4: CHICAGO, ILLINOIS 60606

ATTORNEY DOCKET NUMBER:	6936.149930
NAME OF SUBMITTER:	B. JOE KIM
SIGNATURE:	/B. Joe Kim/
DATE SIGNED:	08/22/2022

Total Attachments: 13

source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif

PATENT 507450174 REEL: 060858 FRAME: 0139

source=Assignment#page4.tif		
source=Assignment#page5.tif		
source=Assignment#page6.tif		
source=Assignment#page7.tif		
source=Assignment#page8.tif		
source=Assignment#page9.tif		
source=Assignment#page10.tif		
source=Assignment#page11.tif		
source=Assignment#page12.tif		
source=Assignment#page13.tif		

GREER, BURNS & CRAIN, LTD.
300 SOUTH WACKER DRIVE
SUITE 2500
CHICAGO, ILLINOIS 60606

Declaration and Assignment for Utility or Design Patent Application

The title of this invention is:

METHOD AND APPARATUS FOR EXTRACTING A FINGERPRINT OF VIDEO HAVING A PLURALITY OF FRAMES

I.	Declaration
	As a below named inventor, I/we hereby declare that this declaration is directed to:
	() the attached application,
	OR
	(X) United States application or PCT international application number 17/820,354 filed on August 17, 2022 and was amended on (MM/DD/YYYY) (if applicable).
	The above-identified application was made or authorized to be made by me.
invent	I believe that I am the original inventor or an original joint inventor of a claimed ion in the application.
punish or bot	I hereby acknowledge that any willful false statement made in this declaration is nable under 18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, h.
II.	Assignment
	(X) Check this box to assign this invention.
invent	FOR VALUE RECEIVED, the receipt of which is hereby acknowledged, the below named or or inventors (hereinafter called "ASSIGNOR") hereby assigns, transfers, and sets over

(hereinafter called "ASSIGNEE"), the full and exclusive right, title, and interest in and to the above-named invention and all rights privileges under any Letters Patent that may be granted thereon, including all rights, if any, to sue for past infringement.

NAVER Corporation NAVER 1784, 95, Jeongjail-ro, Bundang-gu, Seongnam-si, Gyeonggi-do, Republic of Korea

ASSIGNOR also assigns all rights, titles, and interests in and to said invention in all foreign countries, and all applications for Patent which may evolve therefrom, including the right to claim International Convention priority.

The ASSIGNOR agrees without charge to said ASSIGNEE but at its expense (a) to execute (i) all necessary papers to be used in connection with the above-identified application and any additional, continuing, or divisional applications, as the ASSIGNEE may deem necessary or expedient, (ii) all papers in connection with any other legal or quasi-legal proceedings relating to the above-identified application or any additional, continuing, or divisional application thereof; (b) to cooperate with ASSIGNEE in every way possible in obtaining evidence and going forward in any such proceedings; and (c) to perform all other affirmative acts which may be necessary or desirable to obtain a grant of a valid patent.

ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States to issue any and all Letters Patent that may be granted upon the above-identified application or any additional, continuing or divisional applications thereof to the ASSIGNEE, its successors and assigns.

ASSIGNOR hereby covenants and warrants that he or she has full right to convey the entire right, title and interest by this instrument, free of any encumbrances and that no other agreement has been or will be executed in conflict herewith.

III. Inventor Signatures

Name:	Seong Hyeon SHIN
Citizenship:	Korea
Address:	NAVER 1784, 95, Jeongjail-ro, Bundang-gu, Seongnam-si, Gyeonggi-do, Republic of Korea
Signature:	Ani
Date:	August 12, 2022

Name:	Jisu JEON
Citizenship:	Korea
Address:	NAVER 1784, 95, Jeongjail-rb, Bundang-gu, Seongnam-si, Gyeonggi-do, Republic of Korea
Signature:	
Date:	

Name:	Dae Hwang KIM
Citizenship:	Korea
Address:	NAVER 1784, 95, Jeongjail-ro, Bundang-gu, Seongnam-si, Gyeonggi-do, Republic of Korea
Signature:	
Date:	

Name:	Jongeun PARK
Citizenship:	Korea
Address:	NAVER 1784, 95, Jeongjail-ro, Bundang-gu, Seongnam-si, Gyeonggi-do, Republic of Korea
Signature:	
Date:	

Name:	Seung-bin KIM
Citizenship:	Korea
Address:	NAVER 1784, 95, Jeongjail-ro, Bundang-gu, Seongnam-si, Gyeonggi-do, Republic of Korea
Signature:	
Date:	

GREER, BURNS & CRAIN, LTD.
300 SOUTH WACKER DRIVE
SUITE 2500
CHICAGO, ILLINOIS 60606

Declaration and Assignment for Utility or Design Patent Application

The title of this invention is:

sets over to:

METHOD AND APPARATUS FOR EXTRACTING A FINGERPRINT OF VIDEO HAVING A PLURALITY OF FRAMES

I.	Declaration	
	As a below named inventor, I/we hereby declare that this declaration is directed to:	
	() the attached application,	
	OR	
	(X) United States application or PCT international application number 17/820,354 filed on August 17, 2022 and was amended on (MM/DD/YYYY) (if applicable).	
	The above-identified application was made or authorized to be made by me.	
inventi	I believe that I am the original inventor or an original joint inventor of a claimed on in the application.	
punish or both	I hereby acknowledge that any willful false statement made in this declaration is able under 18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, i.	
II.	Assignment	
	(X) Check this box to assign this invention.	
named	FOR VALUE RECEIVED, the receipt of which is hereby acknowledged, the below inventor or inventors (hereinafter called "ASSIGNOR") hereby assigns, transfers, and	

NAVER Corporation NAVER 1784, 95, Jeongjail-ro, Bundang-gu, Seongnam-si, Gyeonggi-do, Republic of Korea

(hereinafter called "ASSIGNEE"), the full and exclusive right, title, and interest in and to the above-named invention and all rights privileges under any Letters Patent that may be granted thereon, including all rights, if any, to sue for past infringement.

ASSIGNOR also assigns all rights, titles, and interests in and to said invention in all foreign countries, and all applications for Patent which may evolve therefrom, including the right to claim International Convention priority.

The ASSIGNOR agrees without charge to said ASSIGNEE but at its expense (a) to execute (i) all necessary papers to be used in connection with the above-identified application and any additional, continuing, or divisional applications, as the ASSIGNEE may deem necessary or expedient, (ii) all papers in connection with any other legal or quasi-legal proceedings relating to the above-identified application or any additional, continuing, or divisional application thereof; (b) to cooperate with ASSIGNEE in every way possible in obtaining evidence and going forward in any such proceedings; and (c) to perform all other affirmative acts which may be necessary or desirable to obtain a grant of a valid patent.

ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States to issue any and all Letters Patent that may be granted upon the above-identified application or any additional, continuing or divisional applications thereof to the ASSIGNEE, its successors and assigns.

ASSIGNOR hereby covenants and warrants that he or she has full right to convey the entire right, title and interest by this instrument, free of any encumbrances and that no other agreement has been or will be executed in conflict herewith.

III. Inventor Signatures

Name:	Seong Hyeon SHIN
Citizenship:	Korea
Address:	NAVER 1784, 95, Jeongjail-ro, Bundang-gu, Seongnam-sì, Gyeonggi-do, Republic of Korea
Signature:	
Date:	

Name:	Jisu JEON
Citizenship:	Korea
Address:	NAVER 1784, 95, Jeongjail-ro, Bundang-gu, Seongnam-si, Gyeonggi-do, Republic of Korea
Signature:	M
Date:	2022.08-17

Name:	Dae Hwang KIM
Citizenship:	Korea
Address:	NAVER 1784, 95, Jeongjail-ro, Bundang-gu, Seongnam-si, Gyeonggi-do, Republic of Korea
Signature:	
Date:	

Name:	Jongeun PARK
Citizenship:	Korea
Address:	NAVER 1784, 95, Jeongjail-ro, Bundang-gu, Seongnam-si, Gyeonggi-do, Republic of Korea
Signature:	
Date:	

Name:	Seung-bin KIM
Citizenship:	Korea
Address:	NAVER 1784, 95, Jeongjail-ro, Bundang-gu, Seongnam-si, Gyeonggi-do, Republic of Korea
Signature:	
Date:	

GREER, BURNS & CRAIN, LTD.
300 SOUTH WACKER DRIVE
SUITE 2500
CHICAGO, ILLINOIS 60606

Declaration and Assignment for Utility or Design Patent Application

The title of this invention is:

sets over to:

METHOD AND APPARATUS FOR EXTRACTING A FINGERPRINT OF VIDEO HAVING A PLURALITY OF FRAMES

I.	Declaration
	As a below named inventor, I/we hereby declare that this declaration is directed to:
	() the attached application,
	OR
	(X) United States application or PCT international application number 17/820,354 filed on August 17, 2022 and was amended on (MM/DD/YYYY) (if applicable).
	The above-identified application was made or authorized to be made by me.
inventi	I believe that I am the original inventor or an original joint inventor of a claimed on in the application.
punish or both	I hereby acknowledge that any willful false statement made in this declaration is able under 18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, n.
II.	Assignment
	(X) Check this box to assign this invention.
	FOR VALUE RECEIVED, the receipt of which is hereby acknowledged, the below

NAVER Corporation NAVER 1784, 95, Jeongjail-ro, Bundang-gu, Seongnam-si, Gyeonggi-do, Republic of Korea

named inventor or inventors (hereinafter called "ASSIGNOR") hereby assigns, transfers, and

(hereinafter called "ASSIGNEE"), the full and exclusive right, title, and interest in and to the above-named invention and all rights privileges under any Letters Patent that may be granted thereon, including all rights, if any, to sue for past infringement.

ASSIGNOR also assigns all rights, titles, and interests in and to said invention in all foreign countries, and all applications for Patent which may evolve therefrom, including the right to claim International Convention priority.

The ASSIGNOR agrees without charge to said ASSIGNEE but at its expense (a) to execute (i) all necessary papers to be used in connection with the above-identified application and any additional, continuing, or divisional applications, as the ASSIGNEE may deem necessary or expedient, (ii) all papers in connection with any other legal or quasi-legal proceedings relating to the above-identified application or any additional, continuing, or divisional application thereof; (b) to cooperate with ASSIGNEE in every way possible in obtaining evidence and going forward in any such proceedings; and (c) to perform all other affirmative acts which may be necessary or desirable to obtain a grant of a valid patent.

ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States to issue any and all Letters Patent that may be granted upon the above-identified application or any additional, continuing or divisional applications thereof to the ASSIGNEE, its successors and assigns.

ASSIGNOR hereby covenants and warrants that he or she has full right to convey the entire right, title and interest by this instrument, free of any encumbrances and that no other agreement has been or will be executed in conflict herewith.

III. Inventor Signatures

Name:	Seong Hyeon SHIN
Citizenship:	Korea
Address:	NAVER 1784, 95, Jeongjail-ro, Bundang-gu, Seongnam-si, Gyeonggi-do, Republic of Korea
Signature:	
Date:	

Name:	Jisu JEON
Citizenship:	Korea
Address:	NAVER 1784, 95, Jeongjail-ro, Bundang-gu, Seongnam-si, Gyeonggi-do, Republic of Korea
Signature:	
Date:	

Name:	Dae Hwang KIM
Citizenship:	Korea
Address:	NAVER 1784, 95, Jeongjail-ro, Bundang-gu, Seongnam-si, Gyeonggi-do, Republic of Korea
Signature:	길대창
Date:	2022.08.12

Name:	Jongeun PARK
Citizenship:	Korea
Address:	NAVER 1784, 95, Jeongjail-ro, Bundang-gu, Seongnam-si, Gyeonggi-do, Republic of Korea
Signature:	
Date:	

Name:	Seung-bin KIM
Citizenship:	Korea
Address:	NAVER 1784, 95, Jeongjail-ro, Bundang-gu, Seongnam-si, Gyeonggi-do, Republic of Korea
Signature:	
Date:	

Doc code: Oath

Document Description: Oath or declaration filed

PTO/AIA/02 (07-13)

Approved for use through 11/30/2020. OMB 0651-0032 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

SUBSTITUTE STATEMENT IN LIEU OF AN OATH OR DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (35 U.S.C. 115(d) AND 37 CFR 1.64)

Title of Invention	METHOD AND APPARATUS FOR EXTRACTING A FINGERPRINT OF VIDEO HAVING A PLURALITY OF FRAMES				
This statement is directed to:					
The atta	ched application,				
OR					
United States application or PCT international application number 17/820,354 filed on August 17, 2022					
LEGAL NA	ME of inventor to whom this su	bstitute statement appl	ies:		
l'	Name (first and middle (if any)) and F un PARK	amily Name or Sumame)			
Residence (except for a deceased or legally incap	acitated inventor):	ķ		
Seor _{City}	gnam-si	State	Republic (of Korea	
Mailing Address (except for a deceased or legally incapacitated inventor): NAVER 1784, 95, Jeongjail-ro, Bundang-gu, Gyeonggi-do					
City		State	Zip	Country	
I believe the above-named inventor or joint inventor to be the original inventor or an original joint inventor of a claimed invention in the application.					
The above-identified application was made or authorized to be made by me.					
I hereby acknowledge that any willful false statement made in this statement is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.					
Relationship to the inventor to whom this substitute statement applies:					
Legal Representative (for deceased or legally incapacitated inventor only),					
Assignee,					
Person to whom the inventor is under an obligation to assign,					
Person who otherwise shows a sufficient proprietary interest in the matter (petition under 37 CFR 1.46 is required), or					
Joint Inventor.					

[Page 1 of 2]

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 1 minute to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Approved for use through 11/30/2020. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

SUBSTITUTE STATEMENT

Circumstances permitting execution of this subs	stitute statement:					
Inventor is deceased,						
Inventor is under legal incapacity,	Inventor is under legal incapacity,					
Inventor cannot be found or reached a	Inventor cannot be found or reached after diligent effort, or					
Inventor has refused to execute the oa	ath or declaration under 37 CF	FR 1.63.				
If there are joint inventors, please check the ap	propriate box below:					
An application data sheet under 37 CF or is currently submitted.	An application data sheet under 37 CFR 1.76 (PTO/AlA/14 or equivalent) naming the entire inventive entity has been					
OR An application data sheet under 37 CF Statement Supplemental Sheet (PTO/ information is attached. See 37 CFR 1	AIA/11 or equivalent) naming					
	WARNING:					
Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available.						
PERSON EXECUTING THIS SUBSTITUTE STA	TEMENT:					
Name: Sconghyeon	Shin	,	August 17, 2022 Date (Optional):			
Signature: A						
APPLICANT NAMÉ AND TITLE OF PERSON E	······	~~~~~~				
If the applicant is a juristic entity, list the applican	t name and the title of the sign	ner:				
Applicant Name:						
Title of Person Executing This Substitute Statement: Joint Inventor						
The signer, whose title is supplied above, is authorized to act on behalf of the applicant.						
Residence of the signer (unless provided in an application data sheet, PTO/AIA/14 or equivalent):						
Seongnam-si _{City}	State	Republic of Country	f Korea			
Mailing Address of the signer (unless provided in an application data sheet, PTO/AIA/14 or equivalent) NAVER 1784, 95, Jeongjail-ro, Bundang-gu, Gyeonggi-do						
_{City} Seongnam-si	State	Zip	Republic of Korea Country			
Note: Use an additional PTO/AIA/02 form for each after diligent effort, or has refused to execute the			annot be found or reached			

[Page 2 of 2]

Doc code: Oath

Document Description: Oath or declaration filed

PTO/AIA/02 (07-13) Approved for use through 11/30/2020. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

SUBSTITUTE STATEMENT IN LIEU OF AN OATH OR DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (35 U.S.C. 115(d) AND 37 CFR 1.64)

Title of Invention	METHOD AND APPARATUS FOR EXTRACTING A FINGERPRINT OF VIDEO HAVING A PLURALITY OF FRAMES				
This statement is directed to:					
The att	ached application,				
OR					
United S	States application or PCT international	application number1	7/820,354 filed on	August 17, 2022	
LEGAL NA	ME of inventor to whom this su	ostitute statement appl	ies:		
	Name (first and middle (if any)) and F	amily Name or Surname)			
	j-bin KIM	***************************************	***************************************	**************************************	
Residence (except for a deceased or legally incapa	acitated inventor):	······································	······	
Seor	ngnam-si	State	Republic of P	Korea	
Mailing Addre	ss (except for a deceased or legally incapa	citated inventor):			
NAVER	1784, 95, Jeongjail-ro, Bunda	ang-gu, Gyeonggi-do)		
City	***************************************	State	Zip	Country	
I believe the above-named inventor or joint inventor to be the original inventor or an original joint inventor of a claimed invention in the application.					
The above-identified application was made or authorized to be made by me.					
I hereby acknowledge that any willful false statement made in this statement is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.					
Relationship to the inventor to whom this substitute statement applies:					
Legal Representative (for deceased or legally incapacitated inventor only),					
Assignee,					
Person to whom the inventor is under an obligation to assign,					
Person who otherwise shows a sufficient proprietary interest in the matter (petition under 37 CFR 1.46 is required), or					
Joint Inventor.					

[Page 1 of 2]

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 1 minute to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Approved for use through 11/30/2020. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

SUBSTITUTE STATEMENT

Circumstances permitting execution of this substitution	tute statement:					
Inventor is deceased,						
Inventor is under legal incapacity,	Inventor is under legal incapacity,					
Inventor cannot be found or reached after	er diligent effort, or					
Inventor has refused to execute the oath	or declaration under 37 CF	FR 1.63.				
If there are joint inventors, please check the appr	opriate box below:					
An application data sheet under 37 CFR or is currently submitted.	An application data sheet under 37 CFR 1.76 (PTO/AIA/14 or equivalent) naming the entire inventive entity has been					
OR						
An application data sheet under 37 CFR 1.76 (PTO/AIA/14 or equivalent) has not been submitted. Thus, a Substitute Statement Supplemental Sheet (PTO/AIA/11 or equivalent) naming the entire inventive entity and providing inventor information is attached. See 37 CFR 1.64(b).						
	WARNING:	•••••	······································			
Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available.						
PERSON EXECUTING THIS SUBSTITUTE STATE	EMENT:					
Name: Seonghyeon	Shin	•	August 17, 2022 Date (Optional):			
Signature:						
APPLICANT NAME AND TITLE OF PERSON EXI	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~					
If the applicant is a juristic entity, list the applicant r	name and the title of the sign	ner:				
Applicant Name:						
Title of Person Executing This Substitute Statement: Joint Inventor						
The signer, whose title is supplied above, is author						
Residence of the signer (unless provided in an application data sheet, PTO/AIA/14 or equivalent):						
Seongnam-si State Republic of Korea Country						
Mailing Address of the signer (unless provided in an application data sheet, PTO/AIA/14 or equivalent)						
NAVER 1784, 95, Jeongjail-ro, Bundang-gu, Gyeonggi-do						
City Seongnam-si	ate	Zip	Republic of Korea			
Note: Use an additional PTO/AIA/02 form for each inventor who is deceased, legally incapacitated, cannot be found or reached						
after diligent effort, or has refused to execute the oath or declaration under 37 CFR 1.63.						

[Page 2 of 2]