506373364 11/25/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6420120

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
JUNG YEON HWANG		10/30/2020
SEUNG-HYUN KIM		11/02/2020
SUNG-HOON LEE		11/02/2020
SOO HYUNG KIM		11/02/2020
SANGRAE CHO		11/02/2020
SEOK HYUN KIM		11/02/2020
YOUNG SEOB CHO		11/02/2020
YOUNGSAM KIM		11/02/2020
JONG-HYOUK NOH		11/02/2020
KWANTAE CHO		11/02/2020
JIN-MAN CHO		11/02/2020

RECEIVING PARTY DATA

Name:	ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE	
Street Address:	218 GAJEONG-RO, YUSEONG-GU	
City:	DAEJEON	
State/Country:	KOREA, REPUBLIC OF	
Postal Code:	34129	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17104695

CORRESPONDENCE DATA

Fax Number:	(202)697-4306		
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:	2022630809		
Email:	info@kilepark.com		
Correspondent Name:	KILE PARK REED & HOUTTEMAN PLLC		
Address Line 1:	1101 30TH STREET, N.W.		
Address Line 2:	SUITE 500		
Address Line 4:	WASHINGTON, D.C. 20007		

PAN-0608-ET	
JAE Y. PARK	
/JAE Y. PARK/	
11/25/2020	
This document serves as an Oath/Declaration (37 CFR 1.63).	
Total Attachments: 12	
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발명의 명칭 Title of Invention	ANONYMOUS CREDENTIAL AUTHENTICATION SYSTEM AND METHOD THEREOF		
	아래에 기명된 발명자로서, 본인은 아래와 같이 선언합니다:		
	As the below named inventor(s), I hereby declare that:		
	동 선언서 제출치: The declaration is directed to: [2] 첨부된 출원, 또는 The attached application, or		
	□ 미국 출원 또는 PCT 국제 출원 번호및 출원 일자		
	United States application or PCT international application number PCT/KR####################################		
선언 Declaration	상기 기재된 출원은 본인이 작성하였거나, 본인의 허락하에 본인 작성으로 신고되었습니다.		
	The above-identified application was made or authorized to be made by me.		
	본인은 본인이 단독 또는 공동 발명자와 함께 출원서에 주장된 발명사항을 발명한 사랑이라고 믿습니다.		
	I believe that I am the original or an original joint inventor of a claimed invention in the application.		
본인은 의도적인 허위 진술이 동 선언서에 기재되었을 경우 18 U.S.C. 100 벌금형 또는 (5) 년 이하의 징역형 또는 두 가지 형법을 모두 받을 수 있음을 인			
	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.		
	NOW, THEREFORE, in consideration of the sum of one dollar (\$1), the receipt whereof is acknowledge, and other good and valuable consideration, I, by these presents do sell, assign and transfer unto said assignee(s)		
	Electronics and Telecommunications Research Institute 218 Gajeong-ro, Yuseong-gu, Daejeon, 34129, KOREA Republic of Korea		
양도 Assignment	and the heirs, successors, assigns and legal representatives of the assignee(s) the full and exclusive right to the said invention in the United States and in its territorial possessions and in any and all foreign countries any and all improvements thereof, the entire rights, title and interest in and to any and all Patents which may be granted therefore in the United States. I hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue said United States Patent to said assignee(s), of the entire right, title, and interest in and to the same, for his sole use and for the use of his legal representatives, to the full end of the term for which said 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.		
	I agree promptly upon request of the assignee(s), its heirs, successors, assigns and legal representatives of the assignee(s) to communicate any facts known to it respecting the patent and the invention set forth therein, and to execute and deliver without further		

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compensation any power of attorney. Assignment, application, whether original, continuation, divisional or reissue, or other papers that may be necessary.

I hereby covenant that no assignment, sale agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.

I further covenant that assignee(s) will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to me and will testify as to the same in any litigation related thereto and will promptly execute and deliver to assignee(s) or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

발명자의	발명자 성영(이름, 성): Inventor Name (First Middle LAST):	Jung Yeon HWANG
법적 성명 Legal Name	발영자 서명: Inventor Signature:	なみる
Of Inventor	일자: Date:	October 30, 2020

공동 발명자의	발명자 성평(이름, 성): Inventor Name (First Middle LAST):	Seung-Hyun KIM
법적 성명 Legal Name Of Joint	발명자 서영: Inventor Signature:	
Inventor, If Any	읦자: Date:	

공동 발영자의	발명자 성명(01름, 성): Inventor Name (First Middle LAST):	Sung-Hoon LEE
법적 성명 Legal Name Of Joint	발명자 서명: Inventor Signature:	
Inventor, If Any	일자: Date:	

공동 발명자의	발명자 성명(이름, 성): Inventor Name (First Middle LAST):	Soo Hyung KIM
법적 성명 Legal Name Of Joint	발명자 서명: Inventor Signature:	
Inventor, If Any	일자: Date:	

A total of _____ supplemental sheet(s) are attached hereto for additional inventors, if any.

공동 발명자의	발명자 성명(이름, 성): Inventor Name (First Middle LAST):	Sangrae CHO
법적 성영 Legal Name Of Joint	발명자 서영: Inventor Signature:	
Inventor, If Any	일자: Date:	

공동 발명자의	발영자 성영(이름, 성): Inventor Name (First Middle LAST):	Seok Hyun KIM
법적 성영 Legal Name Of Joint	발명자 서영: Inventor Signature:	
Inventor, If Any	≌ 자: Date:	

공동 발영자의 법적 성명 Legal Name Of Joint	발명자 성명(이름, 성): Inventor Name (First Middle LAST):	Young Seob CHO
	발명자 서영: Inventor Signature:	
Inventor, If Any	일 자: Date:	

공동 발명지의	발영자 성영(이름, 성): Inventor Name (First Middle LAST):	Youngsam KIM
법적 성명 Legal Name Of Joint	발명자 서명: Inventor Signature:	
Inventor, If Any	Date:	

공동 발명자의	발명자 성명(이름, 성): Inventor Name (First Middle LAST):	Jong-Hyouk NOH
법적 성명 Legal Name Of Joint	발명자 서영: Inventor Signature:	
Inventor, lf Any	일자: Date:	

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공동 발명자의	발명자 성영(이름, 성): Inventor Name (First Middle LAST);	
법적 성명 Legal Name Of Joint	발명자 서명: Inventor Signature:	
Inventor, If Any	잂자: Date:	

공동 발명자의	발명자 성영(이름, 성): Inventor Name (First Middle LAST):	Jin-Man CHO
법적 성명 Legal Name Of Joint	발명자 서명: Inventor Signature:	
Inventor, If Any	월자: Date:	

Page 4

PATENT REEL: 054470 FRAME: 0663

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발명의 영봉 Title of Invention	ANONYMOUS CREDENTIAL AUTHENTICATION SYSTEM AND METHOD THEREOF	
	아래에 기명은 발명자로서, 본인은 아래와 같이 선언합니다:	
	As the below named inventor(s), I hereby declare that:	
	풍 선영서 제출처:	
	The declaration is directed to:	
	🔀 8年8 義務, 또는	
	The attached application, or	
	□ 이국 渝원 또는 PCT 국제 총원 번호및 총의 인 TL	
	業된 일자 United States application or PCT international application number	
	PCT/KR####/###### filed on	
선언 Declaration	상기 기재된 禽囪은 본인이 작성하였거나. 본인의 허락하에 본인 작성으로 신고되었습니다.	
	The above-identified application was made or authorized to be made by me.	
	본인은 본인이 단독 또는 공동 방병자와 함께 출원서에 주장된 방명시황을 방명한 사람이라고 믿습니다.	
	I believe that I am the original or an original joint inventor of a claimed invention in the application.	
	본인은 의도적인 허위 진숧이 등 선언서에 기재되었을 경우 18 U.S.C. 1001 에 의거. 썷금행 또는 (5)년 이하의 집역행 또는 두 가지 형불을 모두 발을 수 있음을 인지합니다.	
	I hereby acknowledge that any willful faise 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.	
	NOW, THEREFORE, in consideration of the sum of one dollar (\$1), the receipt whereof is acknowledge, and other good and valuable consideration, I, by these presents do sell, assign and transfer unto said assignee(s)	
	Electronics and Telecommunications Research Institute 218 Gajeong-ro, Yusaong-gu, Daejeon, 34129, KOREA Republic of Korea	
양도 Assignment	and the heirs, successors, assigns and legal representatives of the assignee(s) the full and exclusive right to the said invention in the United States and in its territorial possessions and in any and all foreign countries any and all improvements thereof, the entire rights, title and interest in and to any and all Patents which may be granted therefore in the United States. I hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue said United States Patent to said assignee(s), of the entire right, title, and interest in and to the same, for his sole use and for the use of his legal representatives, to the full end of the term for which said 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.	
	I agree promptly upon request of the assignee(s), its heirs, successors, assigns and legal representatives of the assignee(s) to communicate any facts known to it respecting the patent and the invention set forth therein, and to execute and deliver without further	



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compensation any power of attorney, Assignment, application, whether original, continuation, divisional or reissue, or other papers that may be necessary.

I hereby covenant that no assignment, sale agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.

I further covenant that assignee(s) will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to me and will testify as to the same in any litigation related thereto and will promptly execute and deliver to assignee(s) or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

방영자의	발명자 성명(이름, 성): Inventor Name (First Middle LAST):	Jung Yeon HWANG
발객 성명 Legal Name	발명자 서명: Inventor Signature:	
Of Inventor	월자: Date:	

공동 발명자의 법적 성명 Legal Name Of Joint	발명자 성명(01쯤, 성): Inventor Name (First Middle LAST):	Seung-Hyun KIM
	발명자 서명: Inventor Signature:	Eg Z
Inventor, If Any	읦자: Date:	Nov. 2. 2020

공동 발명자의	발명자 성명(이종, 성): Inventor Name (First Middle LAST):	Sung-Hoon LEE
법적 성명 Legal Name Of Joint	발명자 서명: Inventor Signature:	
Inventor, If Any	월자: Date:	

공동 발명자의	발명자 성명(이종, 성): Inventor Name (First Middle LAST):	
법적 성영 Legal Name Of Joint	밟명자 시영: Inventor Signature:	326
inventor, if Any	않자: Date:	N.v. 2, 2020

A total of _____ supplemental sheet(s) are attached hereto for additional inventors, if any.

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공동 발명자의	발영자 성영(이음, 성): Inventor Name (First Middle LAST):	Sangrae CHO
법적 성명 Legal Name Of Joint	발명자 서명: Inventor Signature:	CARA .
Inventor, If Any	을자: Date:	Nov. 2. 2020

공동 발명자의	발명자 성명(이종, 성): Inventor Name (First Middle LAST):	Seok Hyun KIM
법적 성명 Legal Name Of Joint	발명자 서명: Inventor Signature:	_712-C
Inventor, if Any	쮩쟈: Date:	Nov 2, 2020

공동 발명자의	발명자 성영(01종, 성): Inventor Name (First Middle LAST):	Young Seob CHO
법적 성영 Legal Name Of Joint	발명자 서명: Inventor Signature:	m
Inventor, if Any	읦쟈: Date:	Hav. 2 2020

공동 발명자의	발영자 성명(이름, 성): Inventor Name (First Middle LAST):	Youngsam KIM
법적 성영 Legal Name Of Joint	발명자 서명: Inventor Signature:	rho
Inventor, If Any	設자: Date:	Nous a source

공동 발명자의	발명자 성영(이종, 성): Inventor Name (First Middle LAST):	Jong-Hyouk NOH
법적 성명 Legal Name Of Joint	발명자 서명: Inventor Signature:	6 mm
inventor, if Any	읣쟈: Date:	



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공동 발명자의	발명자 성영(이용, 성): Inventor Name (First Middle LAST):	Kwantae CHO
법적 성명 Legal Name Of Joint	발명자 서명: Inventor Signature:	
Inventor, If Any	월 자: Date:	Nov. 2, 2,20

공동 발명자의	발명자 성영(이答, 성); Inventor Name (First Middle LAST);	Jin-Man CHO
법적 성명 Legal Name Of Joint	발명자 서명: Inventor Signature:	ACC
Inventor, if Any	않자: Date:	Nov. 2, 2020



발명의 명칭 Title of Invention	ANONYMOUS CREDENTIAL AUTHENTICATION SYSTEM AND METHOD THEREOF		
	아래에 기명된 발명자로서, 본인은 아래와 같이 선언합니다:		
	As the below named inventor(s), I hereby declare that:		
	동 선언서 제출처:		
	The declaration is directed to:		
	⊠ 첨부된 출원, 또는		
	The attached application, or		
	□ 미국 출원 또는 PCT 국제 출원 번호 및 출원 일자		
	United States application or PCT international application number		
선언	PCT/KR####################################		
Declaration	상기 기재된 출원은 본인이 작성하였거나, 본인의 허락하에 본인 작성으로 신고되었습니다.		
	The above-identified application was made or authorized to be made by me.		
	본인은 본인이 단독 또는 공동 발명자와 함께 출원서에 주장된 발명사항을 발명한 사랑이라고 믿습니다.		
	I believe that I am the original or an original joint inventor of a claimed invention in the application.		
	본인은 의도적인 허위 진술이 동 선언서에 기재되었을 경우 18 U.S.C. 1001 에 의거, 벌금형 또는 (5) 년 이하의 징역형 또는 두 가지 형벌을 모두 받을 수 있음을 인지합니다.		
	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.		
	NOW, THEREFORE, in consideration of the sum of one dollar (\$1), the receipt whereof is acknowledge, and other good and valuable consideration, I, by these presents do sell, assign and transfer unto said assignee(s)		
	Electronics and Telecommunications Research Institute 218 Gajeong-ro, Yuseong-gu, Daejeon, 34129, KOREA Republic of Korea		
양도 Assignment	and the heirs, successors, assigns and legal representatives of the assignee(s) the full and exclusive right to the said invention in the United States and in its territorial possessions and in any and all foreign countries any and all improvements thereof, the entire rights, title and interest in and to any and all Patents which may be granted therefore in the United States. I hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue said United States Patent to said assignee(s), of the entire right, title, and interest in and to the same, for his sole use and for the use of his legal representatives, to the full end of the term for which said 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.		
	I agree promptly upon request of the assignee(s), its heirs, successors, assigns and legal representatives of the assignee(s) to communicate any facts known to it respecting the patent and the invention set forth therein, and to execute and deliver without further		

	DECLARATION (37 CFR 1.63) FOR I	특허 출원 선언 및 양도시 (37 CFR 1.76) UTILITY OR DESIGN APPLICATION ET (37 CFR 1.76) AND ASSIGNMENT
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	compensation any power of atto continuation, divisional or reissue, or of	mey, Assignment, application, whether original, other papers that may be necessary.
	I hereby covenant that no assignment, sale agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.	
	pertinent facts and documents relatin equivalents as may be known and ac litigation related thereto and will pror representatives any and all papers, in maintain, issue and enforce said app	will, upon its request, be provided promptly with all g to said invention and said Letters Patent and legal cessible to me and will testify as to the same in any nptly execute and deliver to assignee(s) or its legal nstruments or affidavits required to apply for, obtain, plication, said invention and said Letters Patent and be necessary or desirable to carry out the purposes
발명자의	발명자 성명(이름, 성): Inventor Name (First Middle LAST):	Jung Yeon HWANG
법적 성명 Legal Name	발명자 서명: Inventor Signature:	
Of Inventor	일지: Date:	
공동 발명자의	발명자 성명(이름, 성): Inventor Name (First Middle LAST):	Seung-Hyun KIM
법적 성명 Legal Name Of Joint	발명자 서명: Inventor Signature:	
Inventor, If Any	일자: Date:	

공동 발명자의 법적 성명 Legal Name Of Joint Inventor, If Any	발명자 성명(이름, 성): Inventor Name (First Middle LAST):	Sung-Hoon LEE
	발명자 서명: Inventor Signature:	Eta
	일자: Date:	2.02.0. ((_ 02.

공동 발명자의	발명자 성명(01兽, 성): Inventor Name (First Middle LAST):	Soo Hyung KIM
법적 성명 Legal Name Of Joint	발명자 서영: Inventor Signature:	
Inventor, if Any	일자: Date:	

A total of _____ supplemental sheet(s) are attached hereto for additional inventors, if any.

공동 발명자의	발영자 성영(이름, 성): Inventor Name (First Middle LAST):	
법적 성영 Legal Name Of Joint	발명자 서명: Inventor Signature:	
Inventor, If Any	읦 자: Date:	

공동 발명자의 법적 성명 Legal Name Of Joint	발영자 성영(이플, 성): Inventor Name (First Middle LAST):	Seok Hyun KIM
	발명자 서명: Inventor Signature:	
Inventor, If Any	일자: Date:	

공동 발영자의 법적 성명 Legal Name Of Joint	발명자 성영(이름, 성): Inventor Name (First Middle LAST):	Young Seob CHO
	발명자 서영: Inventor Signature:	
Inventor, If Any	일 자: Date:	

공동 발영지의 법적 성명 Legal Name Of Joint Inventor, If Any	발영자 성영(이름, 성): Inventor Name (First Middle LAST):	Youngsam KIM
	발명자 서명: Inventor Signature:	
	일자: Date:	

공동 발명자의	발명자 성명(이름, 성): Inventor Name (First Middle LAST):	Jong-Hyouk NOH
법적 성영 Legal Name Of Joint Inventor, If Any	발명자 서영: Inventor Signature:	
	일자: Date:	

.....

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공동 발영자의 법적 성영 Legal Name Of Joint Inventor, If Any	발명자 성영(이름, 성): Inventor Name (First Middle LAST);	
	발명자 서명: Inventor Signature:	
	잂자: Date:	

공동 발영자의 법적 성명 Legal Name Of Joint Inventor, If Any	발명자 성영(이름, 성): Inventor Name (First Middle LAST):	Jin-Man CHO
	발명자 서명: Inventor Signature:	
	월자: Date:	

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PATENT REEL: 054470 FRAME: 0671