

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
HAK-LIM KO	06/21/2018
YONG-KAP CHO	06/21/2018
TAE-HO HIM	06/21/2018
RECEIVING PARTY DATA	
Name:	HOSEO UNIVERSITY ACADEMIC COOPERATION FOUNDATION
Street Address:	20, HOSEO-RO 79BEON-GIL, BAEBANG-EUP, ASAN-SI
City:	CHUNGCHEONGNAM-DO
State/Country:	KOREA, REPUBLIC OF
Postal Code:	31499
PROPERTY NUMBERS Total: 2	
Property Type	Number
Application Number:	16065425
PCT Number:	KR2016012767
CORRESPONDENCE DATA	
Fax Number:	(410)230-7216
<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>	
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ATTORNEY DOCKET NUMBER:	NOBEL NE PCT767
NAME OF SUBMITTER:	ROYAL W. CRAIG
SIGNATURE:	/Royal W. Craig/
DATE SIGNED:	06/22/2018
Total Attachments: 9	
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source=4826-3774-3976 v.1 PP16066US Assignment_KO Hak-Lim to Hoseo#page2.tif	
source=4826-3774-3976 v.1 PP16066US Assignment_KO Hak-Lim to Hoseo#page3.tif	
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source=4814-2860-4776 v.1 PP16066US Assignment_Tae_Ho_IM to Hoseo#page3.tif

ASSIGNMENT

By his employment and for other good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned, **Hak-Lim KO**, residing at 103-304, 41, Seongbulsu-gil, Dongnam-gu, Cheonan-si, Chungcheongnam-do 31066 Republic of Korea 066 ("**Assignor**"), does hereby sell, assign, transfer, and convey unto **Hoseo University Academic Cooperation Foundation**, a company duly organized and existing under the laws of the Republic of Korea, and having its principal office at 20, Hoseo-ro 79beon-gil, Baebang-eup, Asan-si, Chungcheongnam-do 31499 Republic of Korea ("**Assignee**"), or its designees, all right, title, and interest that exist today and may exist in the future in and to any and all of the following (collectively, the "**Patent Rights**"):

- (a) the patent applications and patent listed in the table below (the "**Patent**");

<u>Application /Patent No.</u>	<u>Country</u>	<u>Filing Date/Issue Date</u>	<u>Title of Patent and First Named Inventor</u>
PCT/KR2016/012767	WIPO	November 08, 2016	UNDERWATER COMMUNICATION SYSTEM KO, Hak-Lim et al.
US (to be assigned)	US	Herewith	UNDERWATER COMMUNICATION SYSTEM KO, Hak-Lim et al.

- (b) all patents and patent applications (i) to which the Patent directly or indirectly claims priority, (ii) for which the Patent directly or indirectly forms a basis for priority, and/or (iii) that were co-owned applications that directly or indirectly incorporate by reference, or were incorporated by reference into, the Patent;

- (c) all reissues, reexaminations, extensions, continuations, continuations in part, continuing prosecution applications, requests for continuing examinations, divisions, registrations of any item in any of the foregoing categories (a) and (b);

- (d) all inventions, invention disclosures, and discoveries described in any item in any of the foregoing categories (a) through (c) and all other rights arising out of such inventions, invention disclosures, and discoveries;

- (e) all rights to apply in any or all countries of the world for patents, certificates of invention, utility models, industrial design protections, design patent protections, or other governmental grants or issuances of any type related to any item in any of the foregoing categories (a) through (d), including, without limitation, under the Paris Convention for the Protection of Industrial Property, the International Patent Cooperation Treaty, or any other convention, treaty, agreement, or understanding;

- (f) all causes of action (whether known or unknown or whether currently pending, filed, or otherwise) and other enforcement rights under, or on account of, the Patent and/or any

item in any of the foregoing categories (b) through (e), including, without limitation, all causes of action and other enforcement rights for

- (i) damages,
- (ii) injunctive relief, and
- (iii) any other remedies of any kind

for past, current, and future infringement; and

- (g) all rights to collect royalties and other payments under or on account of the Patent and/or any item in any of the foregoing categories (a) through (f).

Assignor represents, warrants and covenants that:

- (1) Assignor has the full power and authority, and has obtained all third party consents, approvals and/or other authorizations required to enter into the Letter Agreement and to carry out its obligations hereunder, including the assignment of the Patent Rights to Assignee; and
- (2) Assignor owns, and by this document assigns to Assignee, all right, title, and interest to the Patent Rights, including, without limitation, all right, title, and interest to sue for infringement of the Patent Rights. Assignor has obtained and properly recorded previously executed assignments for the Patent Rights as necessary to fully perfect its rights and title therein in accordance with governing law and regulations in each respective jurisdiction. The Patent Rights are free and clear of all liens, claims, mortgages, security interests or other encumbrances, and restrictions. There are no actions, suits, investigations, claims or proceedings threatened, pending or in progress relating in any way to the Patent Rights.

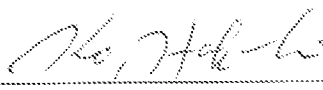
Assignor hereby authorizes the respective patent office or governmental agency in each jurisdiction to issue any and all patents, certificates of invention, utility models or other governmental grants or issuances that may be granted upon any of the Patent Rights in the name of Assignee, as the assignee to the entire interest therein.

The terms and conditions of this Assignment of Patent Rights will inure to the benefit of Assignee, its successors, assigns, and other legal representatives and will be binding upon Assignor, its successors, assigns, and other legal representatives.

IN WITNESS WHEREOF this Assignment of Patent Rights is executed at _____
on _____

ASSIGNOR:

By:



Hak-Lim KO
(Signature *MUST* be attested)

ATTESTATION OF SIGNATURE PURSUANT TO 28 U.S.C. § 1746

The undersigned witnessed the signature of **Hak-Lim KO** to the above Assignment of Patent Rights and makes the following statements:

1. I am over the age of 18 and competent to testify as to the facts in this Attestation block if called upon to do so.
2. **Hak-Lim KO** is personally known to me (or proved to me on the basis of satisfactory evidence) and appeared before me on _____, 2018 to execute the above Assignment of Patent Rights on his own behalf.
3. **Hak-Lim KO** subscribed to the above Assignment of Patent Rights on his own behalf.

I declare under penalty of perjury under the laws of the United States of America that the statements made in the three (3) numbered paragraphs immediately above are true and correct.

EXECUTED on _____ (date)

By: HAK-LIM KO

Printed Witness Name: 박기영

ASSIGNMENT

By his employment and for other good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned, **Yong-Kap CHO**, residing at 302-106, 471, Seohyeon-ro, Bundang-gu, Seongnam-si, Gyeonggi-do 13580 Republic of Korea ("**Assignor**"), does hereby sell, assign, transfer, and convey unto **Hoseo University Academic Cooperation Foundation**, a company duly organized and existing under the laws of the Republic of Korea, and having its principal office at 20, Hoseo-ro 79 beon-gil, Baebang-eup, Asan-si, Chungcheongnam-do 31499 Republic of Korea ("**Assignee**"), or its designees, all right, title, and interest that exist today and may exist in the future in and to any and all of the following (collectively, the "**Patent Rights**");

- (a) the patent applications and patent listed in the table below (the "**Patent**");

<u>Application /Patent No.</u>	<u>Country</u>	<u>Filing Date/Issue Date</u>	<u>Title of Patent and First Named Inventor</u>
PCT/KR2016/012767	WIPO	November 08, 2016	UNDERWATER COMMUNICATION SYSTEM KO, Hak-Lim et al.
US (to be assigned)	US	Herewith	UNDERWATER COMMUNICATION SYSTEM KO, Hak-Lim et al.

- (b) all patents and patent applications (i) to which the Patent directly or indirectly claims priority, (ii) for which the Patent directly or indirectly forms a basis for priority, and/or (iii) that were co-owned applications that directly or indirectly incorporate by reference, or were incorporated by reference into, the Patent;

- (c) all reissues, reexaminations, extensions, continuations, continuations in part, continuing prosecution applications, requests for continuing examinations, divisions, registrations of any item in any of the foregoing categories (a) and (b);

- (d) all inventions, invention disclosures, and discoveries described in any item in any of the foregoing categories (a) through (c) and all other rights arising out of such inventions, invention disclosures, and discoveries;

- (e) all rights to apply in any or all countries of the world for patents, certificates of invention, utility models, industrial design protections, design patent protections, or other governmental grants or issuances of any type related to any item in any of the foregoing categories (a) through (d), including, without limitation, under the Paris Convention for the Protection of Industrial Property, the International Patent Cooperation Treaty, or any other convention, treaty, agreement, or understanding;

- (f) all causes of action (whether known or unknown or whether currently pending, filed, or otherwise) and other enforcement rights under, or on account of, the Patent and/or any item in any of the foregoing categories (b) through (e), including, without limitation, all causes of action and other enforcement rights for

- (i) damages,
- (ii) injunctive relief, and
- (iii) any other remedies of any kind

for past, current, and future infringement; and

- (g) all rights to collect royalties and other payments under or on account of the Patent and/or any item in any of the foregoing categories (a) through (f).

Assignor represents, warrants and covenants that:

(1) Assignor has the full power and authority, and has obtained all third party consents, approvals and/or other authorizations required to enter into the Letter Agreement and to carry out its obligations hereunder, including the assignment of the Patent Rights to Assignee; and

(2) Assignor owns, and by this document assigns to Assignee, all right, title, and interest to the Patent Rights, including, without limitation, all right, title, and interest to sue for infringement of the Patent Rights. Assignor has obtained and properly recorded previously executed assignments for the Patent Rights as necessary to fully perfect its rights and title therein in accordance with governing law and regulations in each respective jurisdiction. The Patent Rights are free and clear of all liens, claims, mortgages, security interests or other encumbrances, and restrictions. There are no actions, suits, investigations, claims or proceedings threatened, pending or in progress relating in any way to the Patent Rights.

Assignor hereby authorizes the respective patent office or governmental agency in each jurisdiction to issue any and all patents, certificates of invention, utility models or other governmental grants or issuances that may be granted upon any of the Patent Rights in the name of Assignee, as the assignee to the entire interest therein.

The terms and conditions of this Assignment of Patent Rights will inure to the benefit of Assignee, its successors, assigns, and other legal representatives and will be binding upon Assignor, its successors, assigns, and other legal representatives.

IN WITNESS WHEREOF this Assignment of Patent Rights is executed at _____
on _____

ASSIGNOR:

By:



Yong-Kap CHO
(Signature MUST be attested)

ATTESTATION OF SIGNATURE PURSUANT TO 28 U.S.C. § 1746

U.S. Assignment
Hoseo University Academic Cooperation Foundation
Yong-Kap CHO
From Korean Appl. 10-2015-0187193
- page 3 -

The undersigned witnessed the signature of **Yong-Kap CHO** to the above Assignment of Patent Rights and makes the following statements:

1. I am over the age of 18 and competent to testify as to the facts in this Attestation block if called upon to do so.
2. **Yong-Kap CHO** is personally known to me (or proved to me on the basis of satisfactory evidence) and appeared before me on _____, 2018 to execute the above Assignment of Patent Rights on his own behalf.
3. **Yong-Kap CHO** subscribed to the above Assignment of Patent Rights on his own behalf.

I declare under penalty of perjury under the laws of the United States of America that the statements made in the three (3) numbered paragraphs immediately above are true and correct.

EXECUTED on _____ (date)

By:

CHO. YONG-KAP

Printed Witness Name: _____

187707

ASSIGNMENT

By his employment and for other good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned, **Tae-Ho IM**, residing at 102-2904, 195, Gongwon-ro, Seobuk-gu, Cheonan-si, Chungcheongnam-do 31168 Republic of Korea ("**Assignor**"), does hereby sell, assign, transfer, and convey unto **Hoseo University Academic Cooperation Foundation**, a company duly organized and existing under the laws of the Republic of Korea, and having its principal office at 20, Hoseo-ro 79beon-gil, Baebang-eup, Asan-si, Chungcheongnam-do 31499 Republic of Korea ("**Assignee**"), or its designees, all right, title, and interest that exist today and may exist in the future in and to any and all of the following (collectively, the "**Patent Rights**"):

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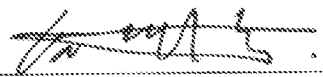
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on _____

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By:


Tae-Ho IM
(Signature MUST be attested)

U.S. Assignment
Hoseo University Academic Cooperation Foundation
Tae-Ho IM
From Korean Appl. 10-2015-0187193
- page 3 -

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2. **Tae-Ho IM** is personally known to me (or proved to me on the basis of satisfactory evidence) and appeared before me on _____, 2018 to execute the above Assignment of Patent Rights on his own behalf.
3. **Tae-Ho IM** subscribed to the above Assignment of Patent Rights on his own behalf.

I declare under penalty of perjury under the laws of the United States of America that the statements made in the three (3) numbered paragraphs immediately above are true and correct.

EXECUTED on _____ (date)

By: Tae-Ho Im

Printed Witness Name: 12/7/07