Receipt is acknowledged of this non-provisional utility patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF FIRST INVENTOR, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection.

Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please submit a written request for a corrected Filing Receipt, including a properly marked-up ADS showing the changes with strike-through for deletions and underlining for additions. If you received a “Notice to File Missing Parts” or other Notice requiring a response for this application, please submit any request for correction to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections provided that the request is grantable.

Inventor(s)
Seo Woo JANG, Seongnam-si, KOREA, REPUBLIC OF;
Sae Woong BAHK, Seoul, KOREA, REPUBLIC OF;

Applicant(s)
SEOUL NATIONAL UNIVERSITY R&DB FOUNDATION, Seoul, KOREA, REPUBLIC OF;

Power of Attorney: The patent practitioners associated with Customer Number 86144

Domestic Priority data as claimed by applicant
This application is a 371 of PCT/KR2016/014489 12/09/2016

Foreign Applications (You may be eligible to benefit from the Patent Prosecution Highway program at the USPTO. Please see http://www.uspto.gov for more information.)
REPUBLIC OF KOREA 10-2016-0111975 08/31/2016

Permission to Access Application via Priority Document Exchange: Yes

Permission to Access Search Results: Yes

Applicant may provide or rescind an authorization for access using Form PTO/SB/39 or Form PTO/SB/69 as appropriate.

If Required, Foreign Filing License Granted: 06/06/2019
The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 16/349,654**

**Projected Publication Date:** 09/12/2019

**Non-Publication Request:** No

**Early Publication Request:** No

**SMALL ENTITY**

**Title**

METHOD AND WIRELESS TRANSMITTER FOR PREVENTING DATA COLLISION INVOLVING HIDDEN CHANNEL PROBLEM

**Preliminary Class**

**Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications:** No

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process simplifies the filing of patent applications on the same invention in member countries, but does not result in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at http://www.uspto.gov/web/offices/pac/doc/general/index.html.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, http://www.stopfakes.gov. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4258).
LICENSE FOR FOREIGN FILING UNDER
Title 35, United States Code, Section 184
Title 37, Code of Federal Regulations, 5.11 & 5.15

GRANTED

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Bureau of Industry and Security, Department of Commerce (15 CFR parts 730-774); the Office of Foreign AssetsControl, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

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# Patent Application Fee Determination Record

**Application as Filed - Part I**

<table>
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<th>FOR</th>
<th>NUMBER FILED</th>
<th>NUMBER EXTRA</th>
<th>RATE($)</th>
<th>FEE($)</th>
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<td>BASIC FEE (37 CFR 1.16(a), (b), or (c))</td>
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<td>EXAMINATION FEE (37 CFR 1.16(e), (g), or (i))</td>
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**TOTAL CLAIMS (37 CFR 1.16(i))**

\[
\begin{align*}
12 & \text{ minus } 20 = 2 \\
\end{align*}
\]

\[
\begin{align*}
50 & \times = 0.00 \\
230 & \times = 0.00 \\
\end{align*}
\]

**INDEPENDENT CLAIMS (37 CFR 1.16(h))**

\[
\begin{align*}
2 & \text{ minus } 3 = 1 \\
\end{align*}
\]

**APPLICATION SIZE FEE (37 CFR 1.16(a))**

If the specification and drawings exceed 100 sheets of paper, the application size fee due is $310 ($155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(e).

**MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))**

- If the difference in column 1 is less than zero, enter "0" in column 2.

**Total**

- **Small Entity**: 790
- **Other Than Small Entity**: 790

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**Application as Amended - Part II**

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**APPLICATION SIZE FEE (37 CFR 1.16(a))**

- Total present of multiple dependent claim (37 CFR 1.16(j))

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<th>AMENDMENT B</th>
<th>CLAIMS REMAINING AFTER AMENDMENT</th>
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**APPLICATION SIZE FEE (37 CFR 1.16(a))**

- Total present of multiple dependent claim (37 CFR 1.16(j))

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* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.
* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".
* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".

The "Highest Number Previously Paid For" (Total or Independent) is the highest found in the appropriate box in column 1.
NOTICE OF ACCEPTANCE OF APPLICATION UNDER 35 U.S.C 371 AND 37 CFR 1.495

The applicant is hereby advised that the United States Patent and Trademark Office, in its capacity as a Designated / Elected Office (37 CFR 1.495), has ACCEPTED the above identified international application for national patentability examination in the United States Patent and Trademark Office.

The United States Application Number assigned to the application is shown above. A Filing Receipt will be issued for the present application in due course. **THE DATE APPEARING ON THE FILING RECEIPT AS THE "FILING DATE or 371(c) DATE" IS THE DATE ON WHICH THE LAST OF THE 35 U.S.C. 371 (c)(1) and (c)(2) REQUIREMENTS HAS BEEN RECEIVED IN THE OFFICE. THIS DATE IS SHOWN BELOW.** The filing date of the above identified application is the international filing date of the international application (Article 11(3) and 35 U.S.C. 363)

**05/14/2019**

DATE OF RECEIPT OF 35 U.S.C. 371(c)(1) and (c)(2) REQUIREMENTS

The following items have been received:

- Indication of Small Entity Status
- Copy of the International Application filed on 05/14/2019
- English Translation of the IA filed on 05/14/2019
- Copy of the International Search Report filed on 05/14/2019
- Preliminary Amendments filed on 05/14/2019
- Information Disclosure Statements filed on 05/14/2019
- Inventor's Oath or Declaration filed on 05/14/2019
- U.S. Basic National Fees filed on 05/14/2019
- Authorize Access to Search Results filed on 05/14/2019
- Priority Documents filed on 05/14/2019
- Power of Attorney filed on 05/14/2019
- Authorization to Permit Access filed on 05/14/2019
- Application Data Sheet (37 CFR 1.76) filed on 05/14/2019

Date Mailed: 06/07/2019
Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

ROSA M WEST

Telephone: (571) 272-1019