# 506183271 07/31/2020 PATENT ASSIGNMENT COVER SHEET

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| CONVEYING PARTY                      | DATA         |   |   |                          |  |
|                                      |              |   | Name  | Execution Date           |  |
| NAM IL KIM                           |              |   |   | 07/06/2020               |  |
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| PROPERTY NUMBER                      | RS Total: 1  |   |   |                          |  |
| Property Type                        |              | Number  |   |                          |  |
| Application Number: 1694             |              | 16945   | 5324  |                          |  |
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| SIGNATURE:                           | DATE SIGNED: |   | 07/31/2020  |                          |  |
|                                      |              |   |   |                          |  |
| SIGNATURE:<br>DATE SIGNED:           |              |   | This document serves as an Oath/De                  | claration (37 CFR 1.63). |  |
|                                      |              |   | This document serves as an Oath/De                  | claration (37 CFR 1.63). |  |
| DATE SIGNED:<br>Total Attachments: 3 | C ASSGN#     | #page   |   | claration (37 CFR 1.63). |  |
| DATE SIGNED:                         |              |   | 1.tif   | claration (37 CFR 1.63). |  |

### 출원 자료서를 이용한 실용 또는 디자인 특허 출원 선언 및 양도서 (37 CFR 1.76) DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT

| 발명의 명칭<br>Title of<br>Invention | METHOD AND APPARATUS FOR TRANSMITTING AND RECEIVING SIGNAL USING<br>POLAR CODE IN COMMUNICATION SYSTEM  |  |  |  |
|---------------------------------|---|--|--|--|
| 선언<br>Declaration               | 아래에 기명된 발명자로서, 본인은 아래와 같이 선언합니다:<br>As the below named inventor(s), I hereby declare that:<br>용 선언서 제출처:<br>The declaration is directed to:   |  |  |  |
| 양도<br>Assignment                | NOW, THEREFORE, in consideration of the sum of one dollar (\$1), the receipt where<br>is acknowledge, and other good and valuable consideration, I, by these presents do se<br>assign and transfer unto said assignee(s)<br>Electronics and Telecommunications Research Institute<br>218, Gajeong-ro, Yuseong-gu, Daejeon 34129, KOREA<br>Republic of Korea<br>and the heirs, successors, assigns and legal representatives of the assignee(s) the fit<br>and exclusive right to the said invention in the United States and in its territori<br>possessions and in any and all foreign countries any and all improvements thereof, the<br>entire rights, title, and interest in and to any and all Patents which may be granted<br>therefore in the United States. I hereby authorize and request the Director of the U.<br>Patent and Trademark Office to issue said United States Patent to said assignee(s), of the<br>entire right, title, and interest in and to the same, for his sole use and for the use of his<br>legal representatives, to the full end of the term for which said Patent may be granted, a<br>fully and entirely as the same would have been held by me had this assignment and sa<br>not been made.<br>I agree promptly upon request of the assignee(s), its heirs, successors, assigns and<br>legal representatives of the assignee(s) to communicate any facts known to it respecting<br>the patent and the invention set forth therein, and to execute and deliver without further<br>the patent and the invention set forth therein, and to execute and deliver without further<br>the patent and the invention set forth therein. |  |  |  |

#### 출원 자료서를 이용한 실용 또는 디자인 특히 출원 선언 및 양도서 (37 CFR 1.76) DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT

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. 발명자 성명(이름, 성): Nam li KIM Inventor Name (First Middle LAST): 발명자의 법적 성명 발명자 서명: am: Inventor Signature: Legal Name Of Inventor 일자: July 6, 2020 Date:

A total of \_\_\_\_\_supplemental sheet(s) are attached hereto for additional inventors, if any.

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### PA4312-0

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

#### **TRANSLATION VERIFICATION**

The Commissioner for Patents P.O. Box 1450 Alexandria VA 22313-1450

Dear Sir:

I, W. William Park, declare under penalty of perjury that I understand the Korean language and the English language; that I am fully capable of translating from Korean to English and vice versa; and that, to the best of my knowledge and belief, the statements in the English language in the attached translation have the same meanings as the statements in the Korean language in the original document, a copy of which I have examined.

Respectfully submitted; Signed

Registration Number: 55523 Name (printed): W. William Park

Dated: June 21, 2018

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PATENT REEL: 053373 FRAME: 0718

**RECORDED: 07/31/2020**