

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5608804

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
GERD KILIAN	06/06/2019
JOSEF BERNHARD	06/13/2019
JOERG ROBERT	07/02/2019
JAKOB KNEISSL	06/05/2019
JOHANNES WECHSLER	06/11/2019
RECEIVING PARTY DATA	
Name:	FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.
Street Address:	HANSASTRASSE 27C
City:	MUNICH
State/Country:	GERMANY
Postal Code:	80686
Name:	FRIEDRICH-ALEXANDER-UNIVERSITAET ERLANGEN-NUERNBERG
Street Address:	SCHLOSSPLATZ 4
City:	ERLANGEN
State/Country:	GERMANY
Postal Code:	91054
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16391726
CORRESPONDENCE DATA	
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Phone:	2063598000
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Address Line 4:	SEATTLE, WASHINGTON 98111-1247

ATTORNEY DOCKET NUMBER:	110971-9335.US01
NAME OF SUBMITTER:	SOOJIN LEE
SIGNATURE:	/Soojin Lee/
DATE SIGNED:	07/09/2019
	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 4	
source=2019-06-25 executed Assignment and Declaration 110971-9335.US01#page1.tif	
source=2019-06-25 executed Assignment and Declaration 110971-9335.US01#page2.tif	
source=FH171014PUS - Declaration & Assignment_Robert#page1.tif	
source=FH171014PUS - Declaration & Assignment_Robert#page2.tif	

ATTORNEY DOCKET NUMBER: 110971-9335.US01

**DECLARATION (37 C.F.R. 1.63) FOR UTILITY OR DESIGN PATENT APPLICATION
USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76) AND ASSIGNMENT**

Title of Invention: Optimized Hopping Patterns for Different Sensor Nodes and Variable Data Lengths on
the Basis of the Telegram Splitting Transmission Method

As a below named inventor, I hereby declare that:

This declaration is directed to the attached application, or (if following box is checked):

United States application or PCT international application number 16/391,726 filed on April 23, 2019.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I have reviewed and understand the contents of the application, including the claims.

I am aware of the duty to disclose to the United States Patent and Trademark Office all information known
to me to be material to patentability as defined in 37 C.F.R. Section 1.56.

Whereas, the undersigned inventor(s) has/have made certain inventions, improvements, and discoveries
(herein referred to as the "Invention") disclosed in the above-identified patent application and further
identified by the Attorney Docket Number provided above in the header of this document;

Whereas, **Fraunhofer-Gesellschaft zur Foerderung der angewandten Forschung e.V.** a corporation
duly organized under and pursuant to the laws of Germany, having its principal place of business at
Hansastrasse 27c, Munich, Germany, 80686, and **Friedrich-Alexander-Universitaet Erlangen-
Nuernberg**, a corporation duly organized under and pursuant to the laws of Germany, having its principal
place of business at **Schlossplatz 4, Erlangen, Germany, 91054** desire to acquire and each undersigned
inventor desires to grant to **Fraunhofer-Gesellschaft zur Foerderung der angewandten Forschung e.V.**
and **Friedrich-Alexander-Universitaet Erlangen-Nuernberg**, the entire worldwide right, title, and
interest in and to the Invention and in and to any and all patent applications and patents directed thereto;

Now, therefore, for one dollar (\$1.00) and good and valuable consideration, the receipt and sufficiency
thereof being hereby acknowledged, each undersigned inventor, hereinafter referred to as **ASSIGNOR**,
hereby sells or has sold, assigns or has assigned, and otherwise transfers or has transferred to **Fraunhofer-
Gesellschaft zur Foerderung der angewandten Forschung e.V.** and **Friedrich-Alexander-Universitaet
Erlangen-Nuernberg**, hereinafter referred to as **ASSIGNEE**, its successors, legal representatives, and
assigns, the entire worldwide right, title, and interest in and to the Invention, the above-identified United
States patent application, and any and all other patent applications and patents for the Invention which may
be applied for or granted therefor in the United States and in all foreign countries and jurisdictions, including
all divisions, continuations, reissues, reexaminations, renewals, extensions, counterparts, substitutes, and
extensions thereof, and all rights of priority resulting from the filing of such applications and granting of
such patents. In addition, each undersigned inventor hereby authorizes and requests the Director of the
United States Patent and Trademark Office to issue any United States Patent, and foreign patent authorities
to issue any foreign patent, granted for the Invention, to the Assignee, its successors, legal representatives,
and assigns, the entire worldwide right, title, and interest in and to the same to be held and enjoyed by the
Assignee, its successors, legal representatives, and assigns to the full end of the terms for which any and all
such patents may be granted, as fully and entirely as would have been held and enjoyed by the undersigned
had this Assignment not been made; and each undersigned inventor agrees to execute, without charge to

said Assignee but at the Assignee's expense, any and all documents and instruments and perform all lawful acts reasonably related to recording this Assignment or perfecting title to the Invention and all related patents and applications, in Assignee, its successors, legal representatives, and assigns, whenever requested by the Assignee, its successors, legal representatives, or assigns.

ASSIGNOR(S) grants the attorney of record the power to insert on this Assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Each undersigned inventor acknowledges their prior and ongoing obligations to sell, assign, and transfer the rights under this Assignment to the Assignee and is unaware of any reason why they may not have the full and unencumbered right to sell, assign, and transfer the rights hereby sold, assigned, and transferred, and has not executed, and will not execute, any document or instrument in conflict herewith. Each undersigned inventor also hereby grants the assignee, its successors, legal representatives, and assigns, the right to insert in this Assignment any further identification (including, but not limited to, patent Application Number) which may be necessary or desirable for recordation of this Assignment.

This Assignment may be executed in one or more counterparts, each of which shall be deemed an original and all of which may be taken together as one and the same Assignment.

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.

1) Legal Name of Inventor: Gerd Kilian

Signature:  Date: 6.6.19

2) Legal Name of Inventor: Josef Bernhard

Signature:  Date: 12.06.19

3) Legal Name of Inventor: Joerg Robert

Signature:  Date: 06/06/2019

4) Legal Name of Inventor: Jakob Kneissl

Signature:  Date: 2019-06-05

5) Legal Name of Inventor: Johannes Wechsler

Signature:  Date: 06/11/2019

ATTORNEY DOCKET NUMBER: 110971-9335.US01

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Whereas, the undersigned inventor(s) has/have made certain inventions, improvements, and discoveries (herein referred to as the "Invention") disclosed in the above-identified patent application and further identified by the Attorney Docket Number provided above in the header of this document;

Whereas, **Fraunhofer-Gesellschaft zur Foerderung der angewandten Forschung e.V.**, a corporation duly organized under and pursuant to the laws of Germany, having its principal place of business at **Hansastrasse 27c, Munich, Germany, 80686**, and **Friedrich-Alexander-Universitaet Erlangen-Nuernberg**, a corporation duly organized under and pursuant to the laws of Germany, having its principal place of business at **Schlossplatz 4, Erlangen, Germany, 91054** desire to acquire and each undersigned inventor desires to grant to **Fraunhofer-Gesellschaft zur Foerderung der angewandten Forschung e.V.** and **Friedrich-Alexander-Universitaet Erlangen-Nuernberg**, the entire worldwide right, title, and interest in and to the Invention and in and to any and all patent applications and patents directed thereto;

Now, therefore, for one dollar (\$1.00) and good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, each undersigned inventor, hereinafter referred to as **ASSIGNOR**, hereby sells or has sold, assigns or has assigned, and otherwise transfers or has transferred to **Fraunhofer-Gesellschaft zur Foerderung der angewandten Forschung e.V.** and **Friedrich-Alexander-Universitaet Erlangen-Nuernberg**, hereinafter referred to as **ASSIGNEE**, its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the Invention, the above-identified United States patent application, and any and all other patent applications and patents for the Invention which may be applied for or granted therefor in the United States and in all foreign countries and jurisdictions, including all divisions, continuations, reissues, reexaminations, renewals, extensions, counterparts, substitutes, and extensions thereof, and all rights of priority resulting from the filing of such applications and granting of such patents. In addition, each undersigned inventor hereby authorizes and requests the Director of the United States Patent and Trademark Office to issue any United States Patent, and foreign patent authorities to issue any foreign patent, granted for the Invention, to the Assignee, its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the same to be held and enjoyed by the Assignee, its successors, legal representatives, and assigns to the full end of the terms for which any and all such patents may be granted, as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made; and each undersigned inventor agrees to execute, without charge to

said Assignee but at the Assignee's expense, any and all documents and instruments and perform all lawful acts reasonably related to recording this Assignment or perfecting title to the Invention and all related patents and applications, in Assignee, its successors, legal representatives, and assigns, whenever requested by the Assignee, its successors, legal representatives, or assigns.

ASSIGNOR(S) grants the attorney of record the power to insert on this Assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

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1) Legal Name of Inventor: Gerd Kilian

Signature: _____ Date: _____

2) Legal Name of Inventor: Josef Bernhard

Signature: _____ Date: _____

3) Legal Name of Inventor: Joerg Robert

Signature:  _____ Date: 07/02/2019

4) Legal Name of Inventor: Jakob Kneissl

Signature: _____ Date: _____

5) Legal Name of Inventor: Johannes Wechsler

Signature: _____ Date: _____