

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5405118

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	DONALD W. MALACKOWSKI	02/18/2019
	PAUL HOEKSTRA	02/18/2019
	CHUNWU WU	02/18/2019
RECEIVING PARTY DATA		
Name:	STRYKER CORPORATION	
Street Address:	2825 AIRVIEW BOULEVARD	
City:	KALAMAZOO	
State/Country:	MICHIGAN	
Postal Code:	49002	
PROPERTY NUMBERS Total: 1		
Property Type	Number	
Application Number:	16189241	
CORRESPONDENCE DATA		
Fax Number:		
<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>		
Email:	IPDocket@h2law.com	
Correspondent Name:	HOWARD & HOWARD ATTORNEYS PLLC	
Address Line 1:	450 W. FOURTH STREET	
Address Line 4:	ROYAL OAK, MICHIGAN 48067	
ATTORNEY DOCKET NUMBER:	061139.00095	
NAME OF SUBMITTER:	SAMIR A. FARES	
SIGNATURE:	/Samir A. Fares/	
DATE SIGNED:	03/05/2019	
Total Attachments: 3		
source=Assign-dec_to_be_filed#page1.tif		
source=Assign-dec_to_be_filed#page2.tif		
source=Assign-dec_to_be_filed#page3.tif		

**COMBINED DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN APPLICATION (37 CFR 1.63) USING
AN APPLICATION DATA SHEET**

Attorney, Docket No. 061139.00095

Title of the Invention ("Invention") **HIGH BANDWIDTH AND LOW LATENCY HYBRID COMMUNICATION TECHNIQUES FOR A NAVIGATION SYSTEM**

Legal Name of Inventor ("Inventor") Donald W. Malackowski residing at 16055 Prairie Ronde, Schoolcraft, Michigan 49087
Name Residential Address

Assignee ("Assignee") Stryker Corporation, a corporation organized and existing under and by virtue of the laws of the State of Michigan, and having an office and place of business at 2825 Airview Boulevard, Kalamazoo, MI 49002 (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefore;

DECLARATION

As named inventor, I hereby declare that:

(i) this declaration is directed to:

☐ The attached Application

OR

☒ United States Application Number or PCT International Application 16/189,241
filed on 11-13-2018 ("Application").

(ii) the above-identified Application is/was made or authorized to be made by me;

(iii) I believe I am the original inventor or an original joint inventor of a claimed invention in the above-identified Application; and

(iv) 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.

WHEREAS, Inventor wishes to assign to Assignee, and Assignee wishes to acquire, the entire right, title, and interest to the Invention and the Application;

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, I, Inventor, hereby sell, assign, transfer and set over to Assignee, its successors, assigns or other legal representatives the entire right, title and interest, domestic and foreign, in and to the Invention and the Application and all original, divisional, continuation, continuation-in-part, substitute and reissue applications and patents applied for or granted therefor in any and all countries for the Invention, including without limitation all applications and patents for the Invention claiming priority or benefit of the Application pursuant to any law or treaty, and including all claims for damages by reason of past infringement with the right to sue for and collect the same for its own use and the use of its successors, assigns and legal representatives, and including the right to claim such priority or benefit to the Application, including any provisional application, and hereby authorize patent officials in any and all countries, entities and intergovernmental agencies to issue all patents on this Application and all improvements and patents resulting therefrom to Assignee, its successors, assigns or other legal representatives as assignee of the entire interest therein; and I hereby agree and covenant without further remuneration, to execute and deliver all original, divisional, continuation, continuation-in-part, reissue and other applications for Letters Patent on the Invention and all assignments thereof, to communicate all facts known to the undersigned respecting the Invention, whenever requested, to testify in any interferences or other legal proceedings in which the Application and any related applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything as deemed necessary by Assignee, its successors, assigns or other legal representatives to secure the rights herein sold, assigned, transferred and set over, the expenses incident to said undertakings to be borne and paid by Assignee, its successors, assigns or other legal representatives.

I hereby authorize Assignee or the attorneys of Assignee to insert here in parentheses (Application number _____, filed _____) the filing date and application number of said Application when known, if not provided above.

WARNING: According to 37 C.F.R. 1.63 (c), "[a] person may not execute an oath or declaration unless the person has reviewed and understands the contents of the application, including claims and is aware of the duty to disclose to the Office all information known to be material to patentability as defined in 1.56."

INVENTOR

By: 

Printed: Donald W. Malackowski

Date: 2-18-19

**COMBINED DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN APPLICATION (37 CFR 1.63) USING
AN APPLICATION DATA SHEET**

Attorney, Docket No. 061139.00095

Title of the Invention ("Invention") **HIGH BANDWIDTH AND LOW LATENCY HYBRID COMMUNICATION TECHNIQUES FOR A NAVIGATION SYSTEM**

Legal Name of Inventor ("Inventor") Paul Hoekstra residing at 2499 N. 5th Street, Kalamazoo, Michigan 49009
Name Residential Address

Assignee ("Assignee") Stryker Corporation, a corporation organized and existing under and by virtue of the laws of the State of Michigan, and having an office and place of business at 2825 Airview Boulevard, Kalamazoo, MI 49002 (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefore;

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(i) this declaration is directed to:

☐ The attached Application

OR

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INVENTOR

By: Paul Hoekstra

Printed: Paul Hoekstra

Date: 2-18-2019

**COMBINED DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN APPLICATION (37 CFR 1.83) USING
AN APPLICATION DATA SHEET**

Attorney, Docket No. 061139.00095

Title of the Invention ("Invention") **HIGH BANDWIDTH AND LOW LATENCY HYBRID COMMUNICATION TECHNIQUES FOR A NAVIGATION SYSTEM**

Legal Name of Inventor ("Inventor") Chunwu Wu residing at 5705 Bobwhite Avenue, Kalamazoo, Michigan 49009-4592
Name Residential Address

Assignee ("Assignee") Stryker Corporation, a corporation organized and existing under and by virtue of the laws of the State of Michigan, and having an office and place of business at 2825 Airview Boulevard, Kalamazoo, MI 49002 (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefore;

DECLARATION

As named inventor, I hereby declare that:

(i) this declaration is directed to:

☐ The attached Application

OR

☒ United States Application Number or PCT International Application 16/189,241
filed on 11-13-2018 ("Application").

(ii) the above-identified Application is/was made or authorized to be made by me;

(iii) I believe I am the original inventor or an original joint inventor of a claimed invention in the above-identified Application; and

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NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, I, Inventor, hereby sell, assign, transfer and set over to Assignee, its successors, assigns or other legal representatives the entire right, title and interest, domestic and foreign, in and to the Invention and the Application and all original, divisional, continuation, continuation-in-part, substitute and reissue applications and patents applied for or granted therefor in any and all countries for the Invention, including without limitation all applications and patents for the Invention claiming priority or benefit of the Application pursuant to any law or treaty, and including all claims for damages by reason of past infringement with the right to sue for and collect the same for its own use and the use of its successors, assigns and legal representatives, and including the right to claim such priority or benefit to the Application, including any provisional application, and hereby authorize patent officials in any and all countries, entities and intergovernmental agencies to issue all patents on this Application and all improvements and patents resulting therefrom to Assignee, its successors, assigns or other legal representatives as assignee of the entire interest therein; and I hereby agree and covenant without further remuneration, to execute and deliver all original, divisional, continuation, continuation-in-part, reissue and other applications for Letters Patent on the Invention and all assignments thereof, to communicate all facts known to the undersigned respecting the Invention, whenever requested, to testify in any interferences or other legal proceedings in which the Application and any related applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything as deemed necessary by Assignee, its successors, assigns or other legal representatives to secure the rights herein sold, assigned, transferred and set over, the expenses incident to said undertakings to be borne and paid by Assignee, its successors, assigns or other legal representatives.

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INVENTOR

By: 

Printed: Chunwu Wu

Date: 2/18/2019

PATENT

RECORDED: 03/05/2019

REEL: 048506 FRAME: 0080