# 503070254 11/20/2014 PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3116858

SUBMISSION TYPE:		NEW ASSIGNMENT	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT		
CONVEYING PARTY D	ΑΤΑ				
		Name	Execution Date		
NABIL SIMAAN			09/29/2014		
ANDREA BAJO			11/07/2014		
JAMES L. NETTERVILLE			08/05/2014		
C. GAELYN GARRETT			08/05/2014		
RECEIVING PARTY DA	ТА				
Name: Vanderbilt University					
Street Address:	305 Kir	305 Kirkland Hall, 2201 West End Avenue			
City:	Nashville				
State/Country:	TENNE	SSEE			
Postal Code:	37240				
PROPERTY NUMBERS Property Type	Total: 1	Number			
	Total: 1	Number			
		<b>Number</b> 14271418			
Property Type Application Number:					
Property Type	ATA	14271418			
Property Type Application Number: CORRESPONDENCE D Fax Number: <i>Correspondence will be</i>	ATA e sent to	14271418 (414)277-0656 • <b>the e-mail address first; if that is ur</b>			
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Property Type Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 1: Address Line 2: Address Line 4: ATTORNEY DOCKET NUNAME OF SUBMITTER:	ATA e sent to provideo	14271418 (414)277-0656 <b>the e-mail address first; if that is un</b> <b>I; if that is unsuccessful, it will be se</b> (414)271-6560 dahauser@michaelbest.com MICHAEL BEST & FRIEDRICH LLP 100 EAST WISCONSIN AVENUE SUITE 3300 MILWAUKEE, WISCONSIN 53202-410 093386-9042-US02 ANDREW J. PAPROCKI	ent via US Mail.		
Property Type Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 1: Address Line 2: Address Line 4: ATTORNEY DOCKET NUNAME OF SUBMITTER: SIGNATURE:	ATA e sent to provideo	14271418 (414)277-0656 <b>the e-mail address first; if that is un</b> <b>i; if that is unsuccessful, it will be se</b> (414)271-6560 dahauser@michaelbest.com MICHAEL BEST & FRIEDRICH LLP 100 EAST WISCONSIN AVENUE SUITE 3300 MILWAUKEE, WISCONSIN 53202-410 093386-9042-US02 ANDREW J. PAPROCKI /andrew j. paprocki/	ent via US Mail.		

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### COMBINATION ASSIGNMENT-STATEMENT

### DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Title of Invention:

SYSTEMS AND METHODS FOR SAFE COMPLIANT INSERTION AND HYBRID FORCE/MOTION TELEMANIPULATION OF CONTINUUM ROBOTS

### DECLARATION

As a below named inventor 1 hereby declare that:

- This declaration is directed to:
  - □ The attached application, or
  - ☑ United States application or PCT international application number 14/271.418 filed on May 6. 2014
- . 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 hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

### ASSIGNMENT

WHEREAS, <u>Vanderbilt University</u> having an office and place of business at <u>305 Kirkland Hall, 2201 West</u> End Avenue, Nashville, Tennessee, 37240, USA, is desirous of acquiring the entire interest in the same;

NOW, THEREFORE, for good and valuable consideration, as described in the Policy on Technology and Literary and Artistic Works, published in the 1993-1994 Vanderbilt Faculty Manual, as such policy is amended from time to time, the sufficiency and adequacy and receipt of which are hereby acknowledged, I, the INVENTOR, agree to assign and hereby do sell, assign and transfer unto said VANDERBILT UNIVERSITY the entire right, title and interest in and to said invention and application throughout the world, including, without limitation, any Letters Patent which may issue thereon, and any subsequent application claiming priority to the above-identified application, reissue, reexamination, divisional, continuation-in-part, extension or continuation thereof and all rights of priority under the Paris Convention arising from said application, and all other rights in the INVENTION possessed by the INVENTOR, including the right to bring suit for damages due to past infringements; the same for VANDERBILT UNIVERSITY'S legal representatives and assigns, as fully and entirely as the same would have been held by us had this assignment and sale not been made;

AND, I hereby bind myself, my heirs, legal representatives, administrators and assign properly to execute without further consideration any and all applications, petitions, oaths and assignments or other papers and instruments which may be necessary in order to carry into full force and effect, the sale, assignment, transfer and conveyance hereby made or intended to be made and generally do everything possible to aid VANDERBILT UNIVERSITY, its legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries throughout the world;

AND, 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.

### LEGAL NAME OF INVENTOR

Inventor:	Nabil Simaan	Date:	9/29/2014	
Signature:	NaliQimaan			
Witness:	<u> </u>	Date:	9/29/2014	
Signature:	<u> </u>			

Attorney Docket No.: 093386-9042-US02

#### **COMBINATION ASSIGNMENT-STATEMENT**

### DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

 SYSTEMS AND METHODS FOR SAFE COMPLIANT INSERTION AND HYBRID

 FORCE/MOTION TELEMANIPULATION OF CONTINUUM ROBOTS

#### DECLARATION

As a below named inventor I hereby declare that:

- This declaration is directed to:
  - The attached application, or
  - Inited States application or PCT international application number 14/271,418 filed on May 6, 2014
- 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 hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

#### ASSIGNMENT

WHEREAS, <u>Vanderbilt University</u> having an office and place of business at <u>305 Kirkland Hall, 2201 West</u> <u>End Avenue, Nashville, Tennessee, 37240, USA</u>, is desirous of acquiring the entire interest in the same;

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AND, I hereby bind myself, my heirs, legal representatives, administrators and assign properly to execute without further consideration any and all applications, petitions, oaths and assignments or other papers and instruments which may be necessary in order to carry into full force and effect, the sale, assignment, transfer and conveyance hereby made or intended to be made and generally do everything possible to aid VANDERBILT UNIVERSITY, its legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries throughout the world;

AND, 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.

#### LEGAL NAME OF INVENTOR

Inventor:	Andrea Bajo	Date:	11/07/2014	:
Signature:	Andrikas		δλής μέλο με τη τη τη το	•
	PI PI			
Witness:	Keleene F. Bajon	Date:	11/07/14	:
Signature:	- RHIF BALO			
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### COMBINATION ASSIGNMENT-STATEMENT

### DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

SYSTEMS AND METHODS FOR SAFE COMPLIANT INSERTION AND HYBRID Title of Invention: FORCE/MOTION TELEMANIPULATION OF CONTINUUM ROBOTS DECLARATION As a below named inventor I hereby declare that: - This declaration is directed to: □ The attached application, or United States application or PCT international application number <u>14/271,418</u> filed on May 6, 2014 - 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 hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both. ASSIGNMENT WHEREAS, Vanderbilt University having an office and place of business at 305 Kirkland Hall, 2201 West End Avenue, Nashville, Tennessee, 37240, USA, is desirous of acquiring the entire interest in the same; NOW, THEREFORE, for good and valuable consideration, as described in the Policy on Technology and Literary and Artistic Works, published in the 1993-1994 Vanderbilt Faculty Manual, as such policy is amended from time to time, the sufficiency and adequacy and receipt of which are hereby acknowledged, I, the INVENTOR, agree to assign and hereby do sell, assign and transfer unto said VANDERBILT UNIVERSITY the entire right, title and interest in and to said invention and application throughout the world, including, without limitation, any Letters Patent which may issue thereon, and any subsequent application claiming priority to the above-identified application, reissue, reexamination, divisional, continuation-in-part, extension or continuation thereof and all rights of priority under the

Paris Convention arising from said application, and all other rights in the INVENTION possessed by the INVENTOR, including the right to bring suit for damages due to past infringements; the same for VANDERBILT UNIVERSITY'S legal representatives and assigns, as fully and entirely as the same would have been held by us had this assignment and sale not been made;

AND, I hereby bind myself, my heirs, legal representatives, administrators and assign properly to execute without further consideration any and all applications, petitions, oaths and assignments or other papers and instruments which may be necessary in order to carry into full force and effect, the sale, assignment, transfer and conveyance hereby made or intended to be made and generally do everything possible to aid VANDERBILT UNIVERSITY, its legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries throughout the world;

AND, 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.

#### LEGAL NAME OF INVENTOR

Inventor: James L. Netterville Signature: AMA Aleurul	Date: 8-5-14
Witness: Joanne Merriam	Date: 8/5/14
Signature: Jeanne Stan	

VU Reference No.: VU 12071

#### COMBINATION ASSIGNMENT-STATEMENT

## DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE SYSTEMS AND METHODS FOR SAFE COMPLIANT INSERTION AND HYBRID Title of Invention: FORCE/MOTION TELEMANIPULATION OF CONTINUUM ROBOTS DECLARATION As a below named inventor I hereby declare that: - This declaration is directed to: The attached application, or United States application or PCT international application number 14/271.418 filed on May 6, 2014 - 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 hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both. ASSIGNMENT WHEREAS, Vanderbilt University having an office and place of business at 305 Kirkland Hall, 2201 West End Avenue, Nashville, Tennessee, 37240, USA, is desirous of acquiring the entire interest in the same; NOW, THEREFORE, for good and valuable consideration, as described in the Policy on Technology and Literary and Artistic Works, published in the 1993-1994 Vanderbilt Faculty Manual, as such policy is amended from time to time, the sufficiency and adequacy and receipt of which are hereby acknowledged, I, the INVENTOR, agree to assign and hereby do sell, assign and transfer unto said VANDERBILT UNIVERSITY the entire right, title and interest in and to said invention and application throughout the world, including, without limitation, any Letters Patent which may issue thereon, and any subsequent application claiming priority to the above-identified application, reissue, reexamination, divisional, continuation-in-part, extension or continuation thereof and all rights of priority under the Paris Convention arising from said application, and all other rights in the INVENTION possessed by the INVENTOR, including the right to bring suit for damages due to past infringements; the same for VANDERBILT UNIVERSITY'S legal representatives and assigns, as fully and entirely as the same would have been held by us had this assignment and sale not been made; AND, I hereby bind myself, my heirs, legal representatives, administrators and assign properly to execute without further consideration any and all applications, petitions, oaths and assignments or other papers and instruments which may be necessary in order to carry into full force and effect, the sale, assignment, transfer and conveyance hereby made or intended to be made and generally do everything possible to aid VANDERBILT UNIVERSITY, its legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries throughout the world: AND, 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. LEGAL NAME OF INVENTOR Date: 8/5/14 Inventor: C. Gaelyn Garret Signature: ando E. Murphy Witness: Signature:

PATENT REEL: 034220 FRAME: 0852

**RECORDED: 11/20/2014**