506771975 07/17/2021

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6818792

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|-------------------------|----------------|
| ANDRÉS BOTERO HALBLAUB | 04/30/2021 |
| VERONICA BRANDSTETTER | 05/07/2021 |
| TILL HEINZERLING | 04/30/2021 |
| TIM SCHENK | 05/26/2021 |
| JAN CHRISTOPH WEHRSTEDT | 03/25/2021 |

RECEIVING PARTY DATA

| Name: | SIEMENS AKTIENGESELLSCHAFT |
|-----------------|------------------------------|
| Street Address: | WERNER-VON-SIEMENS-STRASSE 1 |
| City: | MÜNCHEN |
| State/Country: | GERMANY |
| Postal Code: | 80333 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 17292300 |

CORRESPONDENCE DATA

Fax Number: (518)220-1857

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.

Phone: 5182201850

Email: az5409@iplawusa.com

Correspondent Name: SCHMEISER, OLSEN & WATTS LLP

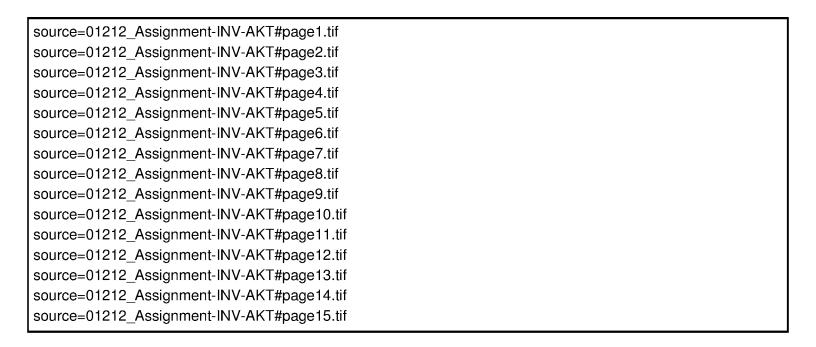
Address Line 1: 22 CENTURY HILL DRIVE

Address Line 2: SUITE 302

Address Line 4: LATHAM, NEW YORK 12110

| ATTORNEY DOCKET NUMBER: | 80000.01212-NY |
|-------------------------|-------------------|
| NAME OF SUBMITTER: | JASON A. MURPHY |
| SIGNATURE: | /JASON A. MURPHY/ |
| DATE SIGNED: | 07/17/2021 |
| | |

Total Attachments: 15



Page 1 of 3

ASSIGNMENT

For good and valuable consideration, I (We),

Andrés Botero Halblaub, residing at Am Kleinfeld 19, Kirchseeon, 85614, DE, citizen of DE Veronika Brandstetter, residing at Hermann-Weinhauser-Str. 31, München, 81673, DE, citizen of DE

Till Heinzerling, residing at Hardtstraße 13, Karlsruhe, 76185, DE, citizen of DE

Tim Schenk, residing at Mooswiesenweg 31, Landshut, 84034, DE, citizen of DE

Jan Christoph Wehrstedt, residing at Elisabeth-zu-Guttenberg-Straße 30, München, 81829, DE, citizen of DE

hereafter individually or collectively referred to as "Assignor(s)"; hereby

- (1) (A) acknowledge having previously assigned, sold and transferred to Siemens Aktiengesellschaft, a corporation organized and existing under the laws of GERMANY, having its principal place of business at Werner-von-Siemens-Straße 1, München, 80333, hereinafter "Assignee", its successors, assigns and legal representatives, or to a predecessor of Assignee, pursuant to
 - (i) the laws of GERMANY or
 - (ii) a Patent & Secrecy Agreement or similar legal document such as, without limitation, an employee agreement executed at the time of entering into the employment of, or executed as a condition of continuing employment with, the Assignee or a predecessor of the Assignee, the entire right, including any and all priority rights, title and interest, in and for the United States and all foreign countries, in and to any and all inventions or improvements which are disclosed in an invention disclosure and/or in the below-identified documents currently filed with this Assignment, already filed or granted for Letters Patent (in which case, if any provision of the subject Assignment that is in conflict with or is in addition to any provision in the prior agreement(s) or assignment(s) then this Assignment shall govern, take precedence, and be of legal effect), or
 - (B) (i) to the extent such laws of GERMANY or such Patent & Secrecy Agreement or similar legal document failed or fails, in whole or part, to have assigned, sold or transferred the entire right (including priority rights), title and interest, in and for the United States and all foreign countries, in and to all inventions or improvements which are disclosed in the below-identified application(s) or pending application(s) or granted Letters Patent, or
 - (ii) if no such agreement(s) exist assigning, selling or transferring any such right (including priority rights), title or interest;

then for good and valuable consideration, Assignor(s) now and hereby, effective Nunc Pro Tunc on the filing date of the below identified patent application(s), pending patent application(s) or granted Letter Patent(s), assign, sell and transfer(s) to Assignee, its successors, assigns and legal representatives,

(i) the entire right, (including all priority rights), title and interest in and for the United States and all foreign countries, in and to any and all inventions and/or improvements which are disclosed in the following identified; patent application(s),

lsa

Page 2 of 3

pending patent application(s) or granted Letter Patent(s). I/we hereby authorize the Assignee or its designee to insert below the information when known

Patent Application Title: Method and device for computer-assisted simulation of a

modular technical system Filing Date: 30 Oct 2019

Filing Number: PCT/EP2019/079651

Botero Halblaub Digitally signed by Botero Halblaub Andres DN: cn=Botero Halblaub Andres, c=Bietnens,

Internal Case Number(s): 2018P25041WOUS

and

- (ii) in and to said application(s) or granted patents and all applications claiming priority to said application or granted patent, including, without limitation, all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of the inventions and/or improvements; and
- (iii) in and to all original and reissued patents which have been or shall be filed in the United States and all foreign countries on the inventions and/or improvements;
- agree that said Assignee may apply for and receive Letters Patent for said inventions and/or improvements in its own name; and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said inventions and/or improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and legal representatives, all facts known to the undersigned relating to said inventions and/or improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or legal representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said inventions and/or improvements and all applications for patents and all patents on said inventions and/or improvements, in said Assignee, its successors, assigns and legal representatives; and
- (3) covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

| Andı | emäil=andres.botero@siemens.com Date: 2021.04.30 13:22:14 +02'00' | |
|---|--|---|
| Andrés Boter | o Halblaub | |
| | | |
| Date | | |
| 100000000000000000000000000000000000000 | | 000000000000000000000000000000000000000 |
| | | |
| Veronika Bra | ndstetter | |
| | | |
| Date | | |



Page 3 of 3

| Till Heinzerling | | | | | |
|------------------------|--|-------------------|----------------------|-------------|--|
| Date | | | | | |
| Tim Schenk | | | | | |
| Date | | | | | |
| Jan Christoph | Wehrstedt | | | | |
| Date | | | | | |
| Companies R | epresentative(s) ngesellschaft | : | | | |
| Signature(s): Name(s): | Klinger Digital uniter schreiben One Ringer Kathania One Rin | Renne r Elvira | O, givenName=Elvira, | | |
| Title: | Both authorized off | icers | | | |
| Date: | | | | | |

Page 1 of 3

ASSIGNMENT

For good and valuable consideration, I (We),

Andrés Botero Halblaub, residing at Am Kleinfeld 19, Kirchseeon, 85614, DE, citizen of DE **Veronika Brandstetter**, residing at Hermann-Weinhauser-Str. 31, München, 81673, DE, citizen of DE

Till Heinzerling, residing at Hardtstraße 13, Karlsruhe, 76185, DE, citizen of DE

Tim Schenk, residing at Mooswiesenweg 31, Landshut, 84034, DE, citizen of DE

Jan Christoph Wehrstedt, residing at Elisabeth-zu-Guttenberg-Straße 30, München, 81829, DE, citizen of DE

hereafter individually or collectively referred to as "Assignor(s)"; hereby

- (1) (A) acknowledge having previously assigned, sold and transferred to Siemens Aktiengesellschaft, a corporation organized and existing under the laws of GERMANY, having its principal place of business at Werner-von-Siemens-Straße 1, München, 80333, hereinafter "Assignee", its successors, assigns and legal representatives, or to a predecessor of Assignee, pursuant to
 - (i) the laws of GERMANY or
 - (ii) a Patent & Secrecy Agreement or similar legal document such as, without limitation, an employee agreement executed at the time of entering into the employment of, or executed as a condition of continuing employment with, the Assignee or a predecessor of the Assignee, the entire right, including any and all priority rights, title and interest, in and for the United States and all foreign countries, in and to any and all inventions or improvements which are disclosed in an invention disclosure and/or in the below-identified documents currently filed with this Assignment, already filed or granted for Letters Patent (in which case, if any provision of the subject Assignment that is in conflict with or is in addition to any provision in the prior agreement(s) or assignment(s) then this Assignment shall govern, take precedence, and be of legal effect), or
 - (B) (i) to the extent such laws of GERMANY or such Patent & Secrecy Agreement or similar legal document failed or fails, in whole or part, to have assigned, sold or transferred the entire right (including priority rights), title and interest, in and for the United States and all foreign countries, in and to all inventions or improvements which are disclosed in the below-identified application(s) or pending application(s) or granted Letters Patent, or
 - (ii) if no such agreement(s) exist assigning, selling or transferring any such right (including priority rights), title or interest;

then for good and valuable consideration, Assignor(s) now and hereby, effective Nunc Pro Tunc on the filing date of the below identified patent application(s), pending patent application(s) or granted Letter Patent(s), assign, sell and transfer(s) to Assignee, its successors, assigns and legal representatives,

(i) the entire right, (including all priority rights), title and interest in and for the United States and all foreign countries, in and to any and all inventions and/or improvements which are disclosed in the following identified; patent application(s),

IDNR: 1930 / 21.05.2015



Page 2 of 3

pending patent application(s) or granted Letter Patent(s). I/we hereby authorize the Assignee or its designee to insert below the information when known

Patent Application Title: Method and device for computer-assisted simulation of a

modular technical system Filing Date: 30 Oct 2019

Filing Number: PCT/EP2019/079651

Internal Case Number(s): 2018P25041WOUS

and

(ii) in and to said application(s) or granted patents and all applications claiming priority to said application or granted patent, including, without limitation, all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of the inventions and/or improvements; and

(iii) in and to all original and reissued patents which have been or shall be filed in the United States and all oreign countries on the inventions and/or improvements;

- agree that said Assignee may apply for and receive Letters Patent for said inventions and/or improvements in its own name; and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said inventions and/or improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and legal representatives all facts mown to the undersigned relating to said inventions and/or improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or legal representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said inventions and/or improvements and for sesting title to said inventions and/or improvements, in said Assignee, its successors assigns and legal representatives; and
- (3) covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

| Andrés Botero Halblaub | |
|------------------------|--|
| | |
| Date | |
| Veronika Brandstetter | |
| 07.05.7021 Date | |

Page 3 of 3

| Till Heinzerling | | | | | |
|--------------------------------|--|-----|--|--|---|
| Date | | | ······································ | | *************************************** |
| Tim Schenk | | | | | |
| Date | | | | | |
| Jan Christoph | Wehrstedt | | | | |
| Date | | | | | |
| Companies Re Siemens Aktier | epresentative(s) ngesellschaft | | View of the | | |
| Signature(s): | Klinger Dutal untradvated involvinger interview and in the property of the pro | R | Renne Bonie Bonie SerialNu | imber=Z0005SGO, | |
| Name(s): | Katharina and supplementation in the supplementation of the suppleme | r | Elvira cn=Rem | ger, p=Siemens, ner. Élvira 2021 .07.09 16:12:32 | |
| Title: | Both authorized offic | ers | | | |
| Date: | | | | | |

Page 1 of 3

ASSIGNMENT

For good and valuable consideration, I (We),

Andrés Botero Halblaub, residing at Am Kleinfeld 19, Kirchseeon, 85614, DE, citizen of DE Veronika Brandstetter, residing at Hermann-Weinhauser-Str. 31, München, 81673, DE, citizen of DE

Till Heinzerling, residing at Hardtstraße 13, Karlsruhe, 76185, DE, citizen of DE Tim Schenk, residing at Mooswiesenweg 31, Landshut, 84034, DE, citizen of DE Jan Christoph Wehrstedt, residing at Elisabeth-zu-Guttenberg-Straße 30, München, 81829, DE, citizen of DE

hereafter individually or collectively referred to as "Assignor(s)"; hereby

- (A) acknowledge having previously assigned, sold and transferred to Siemens (1) Aktiengesellschaft, a corporation organized and existing under the laws of GERMANY, having its principal place of business at Werner-von-Siemens-Straße 1. München, 80333. hereinafter "Assignee", its successors, assigns and legal representatives, or to a predecessor of Assignee, pursuant to
 - (i) the laws of GERMANY or
 - (ii) a Patent & Secrecy Agreement or similar legal document such as, without limitation, an employee agreement executed at the time of entering into the employment of, or executed as a condition of continuing employment with, the Assignee or a predecessor of the Assignee, the entire right, including any and all priority rights, title and interest, in and for the United States and all foreign countries, in and to any and all inventions or improvements which are disclosed in an invention disclosure and/or in the below-identified documents currently filed with this Assignment, already filed or granted for Letters Patent (in which case, if any provision of the subject Assignment that is in conflict with or is in addition to any provision in the prior agreement(s) or assignment(s) then this Assignment shall govern, take precedence, and be of legal effect), or
 - (B) (i) to the extent such laws of GERMANY or such Patent & Secrecy Agreement or similar legal document failed or fails, in whole or part, to have assigned, sold or transferred the entire right (including priority rights), title and interest, in and for the United States and all foreign countries, in and to all inventions or improvements which are disclosed in the below-identified application(s) or pending application(s) or granted Letters Patent, or
 - (ii) if no such agreement(s) exist assigning, selling or transferring any such right (including priority rights), title or interest;

then for good and valuable consideration, Assignor(s) now and hereby, effective Nunc Pro Tunc on the filing date of the below identified patent application(s), pending patent application(s) or granted Letter Patent(s), assign, sell and transfer(s) to Assignee, its successors, assigns and legal representatives,

(i) the entire right, (including all priority rights), title and interest in and for the United States and all foreign countries, in and to any and all inventions and/or improvements which are disclosed in the following identified; patent application(s),

PATENT REEL: 056892 FRAME: 0140

65a

Page 2 of 3

pending patent application(s) or granted Letter Patent(s). I/we hereby authorize the Assignee or its designee to insert below the information when known

Patent Application Title: Method and device for computer-assisted simulation of a

modular technical system Filing Date: 30 Oct 2019

Filing Number: PCT/EP2019/079651

Internal Case Number(s): 2018P25041WOUS

and

- (ii) in and to said application(s) or granted patents and all applications claiming priority to said application or granted patent, including, without limitation, all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of the inventions and/or improvements; and
- (iii) in and to all original and reissued patents which have been or shall be filed in the United States and all foreign countries on the inventions and/or improvements;
- (2) agree that said Assignee may apply for and receive Letters Patent for said inventions and/or improvements in its own name; and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said inventions and/or improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and legal representatives, all facts known to the undersigned relating to said inventions and/or improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or legal representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said inventions and/or improvements and for vesting title to said inventions and/or improvements and all applications for patents and all patents on said inventions and/or improvements, in said Assignee, its successors, assigns and legal representatives; and
- (3) covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

| Andrés Botero Halblaub | | |
|------------------------|--|--|
| Date | | |
| Veronika Brandstetter | | |
| Date | | |

Page 3 of 3

| Heinzerling Till | DN-cus-Helinzerling Till. 5 ≤ Seighens. cysal="dill.helinzerling@stermens.com" Datum: 2021.04.30 15:16:04 +02'00' | | |
|---|---|--|---|
| Till Heinzerling | 102.00 | | |
| | | | |
| Date | | | |
| | | | |
| | | | |
| Tim Schenk | | | |
| | | | |
| Date | | | |
| 200000000000000000000000000000000000000 | 000000000000000000000000000000000000000 | | *************************************** |
| lan Christanh | N (a la vada ald | | |
| Jan Christoph \ | vvenisteat | | |
| | | | |
| Date | | | |
| | | | |
| Companies Re Siemens Aktier | epresentative(s) ngesellschaft | | |
| Signature(s): | Digital unterschrieben von Klinger Katharina Klinger Saharina ON ON ON ON ON ON ON ON ON O | Renne Digital unterchrieben von Renne Elvíra Skralburnoser-Z0005560, gylvenlt mere Elvíra, | |
| Name(s): | Katharina Katharina Serikiper, oriemens, Serikiper, datama Dalum 2001, 0706 13.29.39 40200 | r Elvira och Midde Elvira och Midde Elvira | |
| Title: | Both authorized offi | cers | |
| Date: | | | |



Page 1 of 3

ASSIGNMENT

For good and valuable consideration, I (We),

Andrés Botero Halblaub, residing at Am Kleinfeld 19, Kirchseeon, 85614, DE, citizen of DE Veronika Brandstetter, residing at Hermann-Weinhauser-Str. 31, München, 81673, DE, citizen of DE

Till Heinzerling, residing at Hardtstraße 13, Karlsruhe, 76185, DE, citizen of DE Tim Schenk, residing at Mooswiesenweg 31, Landshut, 84034, DE, citizen of DE Jan Christoph Wehrstedt, residing at Elisabeth-zu-Guttenberg-Straße 30, München, 81829, DE, citizen of DE

hereafter individually or collectively referred to as "Assignor(s)"; hereby

- (A) acknowledge having previously assigned, sold and transferred to Siemens (1) Aktiengesellschaft, a corporation organized and existing under the laws of GERMANY, having its principal place of business at Werner-von-Siemens-Straße 1, München, 80333. hereinafter "Assignee", its successors, assigns and legal representatives, or to a predecessor of Assignee, pursuant to
 - (i) the laws of GERMANY or
 - (ii) a Patent & Secrecy Agreement or similar legal document such as, without limitation, an employee agreement executed at the time of entering into the employment of, or executed as a condition of continuing employment with, the Assignee or a predecessor of the Assignee, the entire right, including any and all priority rights, title and interest, in and for the United States and all foreign countries, in and to any and all inventions or improvements which are disclosed in an invention disclosure and/or in the below-identified documents currently filed with this Assignment, already filed or granted for Letters Patent (in which case, if any provision of the subject Assignment that is in conflict with or is in addition to any provision in the prior agreement(s) or assignment(s) then this Assignment shall govern, take precedence, and be of legal effect), or
 - (B) (i) to the extent such laws of GERMANY or such Patent & Secrecy Agreement or similar legal document failed or fails, in whole or part, to have assigned, sold or transferred the entire right (including priority rights), title and interest, in and for the United States and all foreign countries, in and to all inventions or improvements which are disclosed in the below-identified application(s) or pending application(s) or granted Letters Patent, or
 - (ii) if no such agreement(s) exist assigning, selling or transferring any such right (including priority rights), title or interest;

then for good and valuable consideration, Assignor(s) now and hereby, effective Nunc Pro Tunc on the filing date of the below identified patent application(s), pending patent application(s) or granted Letter Patent(s), assign, sell and transfer(s) to Assignee, its successors, assigns and legal representatives,

(i) the entire right, (including all priority rights), title and interest in and for the United States and all foreign countries, in and to any and all inventions and/or improvements which are disclosed in the following identified; patent application(s),

IDNR: 1930 / 21.05.2015 PATENT REEL: 056892 FRAME: 0143

l 5a.

Page 2 of 3

pending patent application(s) or granted Letter Patent(s). I/we hereby authorize the Assignee or its designee to insert below the information when known

Patent Application Title: Method and device for computer-assisted simulation of a

modular technical system Filing Date: 30 Oct 2019

Filing Number: PCT/EP2019/079651

Internal Case Number(s): 2018P25041WOUS

and

- (ii) in and to said application(s) or granted patents and all applications claiming priority to said application or granted patent, including, without limitation, all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of the inventions and/or improvements; and
- (iii) in and to all original and reissued patents which have been or shall be filed in the United States and all foreign countries on the inventions and/or improvements;
- (2) agree that said Assignee may apply for and receive Letters Patent for said inventions and/or improvements in its own name; and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said inventions and/or improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and legal representatives, all facts known to the undersigned relating to said inventions and/or improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or legal representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said inventions and/or improvements and for vesting title to said inventions and/or improvements and all applications for patents and all patents on said inventions and/or improvements, in said Assignee, its successors, assigns and legal representatives; and
- (3) covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

| Andrés Botero Halblaub | | |
|------------------------|--|--|
| Date | | |
| | | |
| Veronika Brandstetter | | |
| Date | | |

Page 3 of 3

| Till Heinzerling | | • | | |
|-------------------------------|---|----------------|---|--|
| Date | | | | |
| Tim Schenk | | Scher k Tim | Digital unterschrieben von Schenk Tim Datum: 2021.05,26 11:34:11 +02'00' | |
| Jan Christoph | Wehrstedt | | | |
| Date | | | | |
| Companies Ro Siemens Aktie | epresentative(s) ngesellschaft | ⊜ Di | gital unterschrieben von | |
| Signature(s): | Klinger Olgial unterschrieben on Klinger Katharina ON: Katharin olgishkesbe 70004073 Kentharin olgishkesbe 70004073 | Renne | espenner assignmens | |
| Name(s): | sépélioger, o-siemens, ó-i-illiper lighthanna Datum: 2021,07.06 13:30:05 +02'007 | r Elvira | Reinhe Dvira tum: 2021.07.09 16:13:44 2'00' | |
| Title: | Both authorized off | ficers | | |
| Date: | | | | |



Page 1 of 3

ASSIGNMENT

For good and valuable consideration, I (We),

Andrés Botero Halbiaub, residing at Am Kleinfeld 19, Kirchseeon, 85814, DE, citizen of DE Veronika Brandstetter, residing at Hermann-Weinhauser-Str. 31, München, 81673, DE, citizen of DE

Till Heinzerling, residing at Hardtstraße 13, Karlsruhe. 76185, DE, citizen of DE
Tim Schenk, residing at Mooswiesenweg 31, Landshut, 84034, DE, citizen of DE
Jan Christoph Wehrstedt, residing at Elisabeth-zu-Guttenberg-Straße 30, München, 81829, DE, citizen of DE

hereafter individually or collectively referred to as "Assignor(s)"; hereby

- (1) (A) acknowledge having previously assigned, sold and transferred to Siemens Aktiengesellschaft, a corporation organized and existing under the laws of GERMANY, having its principal place of business at Werner-von-Siemens-Straße 1, München, 80333, hereinafter "Assignee", its successors, assigns and legal representatives, or to a predecessor of Assignee, pursuant to
 - (i) the laws of GERMANY or
 - (ii) a Patent & Secrecy Agreement or similar legal document such as, without limitation, an employee agreement executed at the time of entering into the employment of, or executed as a condition of continuing employment with, the Assignee or a predecessor of the Assignee, the entire right, including any and all priority rights, title and interest, in and for the United States and all foreign countries, in and to any and all inventions or improvements which are disclosed in an invention disclosure and/or in the below-identified documents currently filled with this Assignment, already filled or granted for Letters Patent (in which case, if any provision of the subject Assignment that is in conflict with or is in addition to any provision in the prior agreement(s) or assignment(s) then this Assignment shall govern, take precedence, and be of legal effect), or
 - (B) (i) to the extent such laws of GERMANY or such Patent & Secrecy Agreement or similar legal document falled or fails, in whole or part, to have assigned, sold or transferred the entire right (including priority rights), title and interest, in and for the United States and all foreign countries, in and to all inventions or improvements which are disclosed in the below-identified application(s) or pending application(s) or granted Letters Patent, or
 - (ii) if no such agreement(s) exist assigning, selling or transferring any such right (including priority rights), title or interest;

then for good and valuable consideration, Assignor(s) now and hereby, effective Nunc Pro Tunc on the filing date of the below identified patent application(s), pending patent application(s) or granted Letter Patent(s), assign, sell and transfer(s) to Assignee, its successors, assigns and legal representatives,

(i) the entire right, (including all priority rights), title and interest in and for the United States and all foreign countries, in and to any and all inventions and/or improvements which are disclosed in the following identified; patent application(s).

IDNR: 1930 / 21.08.2015

Page 2 of 3

pending patent application(s) or granted Letter Patent(s). I/we hereby authorize the Assignee or its designee to insert below the information when known

Patent Application Title: Method and device for computer-assisted simulation of a modular technical system

mouular technical syste Filing Date: 30 Oct 2019

Filing Number: PCT/EP2019/079651

internal Case Number(s): 2018P25041WOUS

and

- (ii) in and to said application(s) or granted patents and all applications claiming priority to said application or granted patent, including, without limitation, all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of the inventions and/or improvements; and
- (iii) in and to all original and reissued patents which have been or shall be filed in the United States and all foreign countries on the inventions and/or improvements;
- agree that said Assignee may apply for and receive Letters Patent for said inventions and/or improvements in its own name; and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said inventions and/or improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and legal representatives, all facts known to the undersigned relating to said inventions and/or improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or legal representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said inventions and/or improvements and for vesting title to said inventions and/or improvements and all applications for patents and all patents on said inventions and/or improvements, in said Assignee, its successors, assigns and legal representatives; and
- (3) covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

| å | indrés Sotero Halblaub |
|---------|------------------------|
| ,, ,,,, | ate |
| 00000 | |
| Ñ | eronika Brandstetter |
| ξ. | ate |

PATENT REEL: 056892 FRAME: 0147

l5a

Docket No.: 2018P25041WOUS Page 3 of 3

| Till Heinzerlin | Ą | | |
|------------------------------|---|--|---|
| Date | | | |
| Tim Schenk | ······ | | |
| Date | | | |
| Jan Christoph 25 3 Date | | | |
| | | | |
| Companies R Siemens Aktie | epresentative(s) ngesellschaft | | |
| Signature(s): | Klinger Gusta untrealmeter on tinger | Renne Bivra Renne Elvira | |
| Name(s): | Katharina Symptomentahuna, ametingar. Sedegate zerdingar trataria baum 2017 06 13040-0200 | r Elvira (histories, consistents, proprieta (histories, consistents, c | |
| Title: | Both authorized officer | \$ | ` |
| Date: | | | |