12/17/2019 505825543

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 **EPAS ID: PAT5872373**

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

CONVEYING PARTY DATA

| Name | Execution Date |
|--------------------------------|----------------|
| ANDREAS SCHIERENBECK | 10/24/2019 |
| THOMAS FELIS | 12/16/2019 |
| FRANCISCO JAVIER SESMA SANCHEZ | 10/21/2019 |
| JIE XU | 10/18/2019 |
| PIETER-BAS DE KLEER | 11/14/2019 |
| JONATAN HERNANDEZ ALVAREZ | 10/21/2019 |
| ANA BELÉN QUIROGA SÁNCHEZ | 10/21/2019 |
| MARCOS PÉREZ PÉREZ | 10/21/2019 |

RECEIVING PARTY DATA

| Name: | THYSSENKRUPP ELEVATOR AG |
|--------------------------|--------------------------------------|
| Street Address: | THYSSENKRUPP ALLEE 1 |
| City: | ESSEN |
| State/Country: | GERMANY |
| Postal Code: | 45143 |
| | |
| Name: | THYSSENKRUPP AG |
| Name: Street Address: | THYSSENKRUPP AG THYSSENKRUPP ALLEE 1 |
| | |
| Street Address: | THYSSENKRUPP ALLEE 1 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 16606109 |

CORRESPONDENCE DATA

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THYSSENKRUPP NORTH AMERICA, INC. IP SERV **Correspondent Name:**

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PATENT

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ATTORNEY DOCKET NUMBER: 161342P30US

NAME OF SUBMITTER: WILLIAM J CASSIN

SIGNATURE: /William J. Cassin Reg. No. 65192/

DATE SIGNED: 12/17/2019

Total Attachments: 7

source=161342P30US Assignment#page1.tif source=161342P30US Assignment#page2.tif source=161342P30US Assignment#page3.tif source=161342P30US Assignment#page4.tif source=161342P30US Assignment#page5.tif source=161342P30US Assignment#page6.tif source=161342P30US Assignment#page7.tif

ASSIGNMENT

WHEREAS, we, the undersigned inventors, having our residences as set forth below, hereinafter referred to as "ASSIGNORS," have invented a certain new invention for:

METHOD OF PLANNING A PLATFORM LIFT

as described and set forth in U.S. National Stage Patent Application No. 16/606,109 filed on October 17, 2019, and related PCT International Patent Application No. PCT/EP2018/060044 filed on April 19, 2018, preparatory to obtaining Letters Patent of the United States therefor; and

WHEREAS, THYSSENKRUPP ELEVATOR AG, a company organized under the laws of Germany, with its principal place of business at ThyssenKrupp Allee 1, 45143 Essen, Germany and THYSSENKRUPP AG, a company organized under the laws of Germany, with its principal place of business at ThyssenKrupp Allee 1, 45143 Essen, Germany, hereinafter collectively referred to as "ASSIGNEES", are together desirous of jointly acquiring ASSIGNORS' entire right, title and interest in and to said invention, improvements, application and any Letters Patents which may be granted therefor or thereupon in any country, together with any and all non-provisional applications, divisions, continuations, continuations-in-part, reissues and extensions thereof in all countries throughout the world;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration by ASSIGNEES to ASSIGNORS, the receipt and sufficiency of which is hereby acknowledged, ASSIGNORS hereby sell, assign, transfer and set over unto ASSIGNEES, their respective successors and assigns, the entire right, title and interest in and to said invention, improvements, and in and to said application and any Letters Patents which may be granted therefor or thereupon, together with any and all non-provisional applications, divisions, continuations, continuations-in-part, reissues and extensions thereof, and ASSIGNORS authorize and request the Commissioner of Patents and Trademarks to issue any Letters Patent which may be granted for or upon said invention or applications, or patents resulting therefrom, insofar as my interest is concerned, unto ASSIGNEES in accordance with this Assignment. To the extent applicable, ASSIGNORS also hereby assign to ASSIGNEES, their respective successors and assigns, all right, title and interest to sue third parties for any past, present or future infringement, and to collect all damages relating thereto, of all Letters Patents assigned herein.

ASSIGNORS also assign to ASSIGNEES, all right, title and interest in and to the invention disclosed in said application throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs throughout the world, including all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and ASSIGNORS further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such right, title and interest in ASSIGNEES.

ASSIGNORS will communicate to ASSIGNEES, their respective successors and assigns or their representatives, any facts known to us respecting said invention and improvements; and,

Assignment - page 1 of 4

at the expense of ASSIGNEES, ASSIGNORS will fully cooperate in any legal proceedings, including any proceeding within the United States Patent and Trademark Office or other Patent Office anywhere in the world, relating thereto, sign all lawful papers, execute all non-provisional, divisional, continuing, continuations-in-part, reissue and substitute applications, make all rightful oaths and declarations, and, in addition, execute any and all documents required to vest title in ASSIGNEES and to aid ASSIGNEES to obtain and enforce proper protection for said invention in all countries.

ASSIGNORS covenant that ASSIGNORS have the full right to convey the interest assigned by this Assignment, and that ASSIGNORS have not executed and will not execute any agreement in conflict with this Assignment.

This Assignment shall be binding on the parties' successors, assigns and legal representatives.

| NAME OF SOLE OR FIRST INVENTOR: | | A petition has been filed for this unsigned inventor | | | | |
|--|---------------------------------------|--|-----------|------------|-------------------------------|--|
| Given Name (first and middle[if a | Family Name or Surname | | | or Surname | | |
| Andreas | | SCHIERENBECK | | | | |
| Inventor's Signature | · · · · · · · · · · · · · · · · · · · | | | | Date (mm/dd/yyyy) | |
| | | | | | | |
| Residence: City | State | Country | | | | |
| Ratingen | | DE | | | | |
| Mailing Address | | | | | | |
| Kohlstraße 17 | • | - | | | | |
| City | State | Postal (Zip) Code Co | | | Country | |
| Ratingen | : | 40883 | | DI | B | |
| *************************************** | | *************************************** | | | | |
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| NAME OF ADDITIONAL J | OINT INVENTOR, if | A petition h | as been f | iled | for this unsigned | |
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| any: | | , | | | or Surname | |
| any: Given Name (first and middle(if a | myl) | , | Family N | | | |
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| any: Given Name (first and middle(if a | | , | Family N | | or Surname Date (mm/dd/yyyy) | |
| any: Given Name (first and middlefif's Thomas Inventor's Signature | myl) | inventor | Family N | | or Surname Date (mm/dd/yyyy) | |
| any: Given Name (first and middle(if a Thomas Inventor's Signature Residence: City | myl) State | Country | Family N | | or Surname Date (mm/dd/yyyy) | |
| any: Given Name (first and middle(if a Thornas Inventor's Signature Residence: City Seattle | myl) State | Country | Family N | | or Surname Date (mm/dd/yyyy) | |
| any: Given Name (first and middlefif a Thomas Inventor's Signature Residence: City Seattle Mailing Address | myl) State | Country | Family N | lame | or Surname Date (mm/dd/yyyy) | |

Assignment - page 2 of 4

| NAME OF ADDITIONAL JOINT INVENTOR, IF BRY: | | ☐ A petition has been filed for this unsigned inventor | | | | |
|--|---|--|------------------------|-------------------|---|--|
| Given Name (first and middle[if any]) | | 1 deventor | Family Name or Surname | | or Surname | |
| Francisco Javier | | SESM | ANCHEZ | | | |
| Inventor's Signature | | | J | ******* | Date (mm/dd/yyyy) | |
| | | | | | | |
| Residence: City | State | Country | | | | |
| Gijón | | ES | | | | |
| Mailing Address | *************************************** | *************************************** | | 20000000 | *************************************** | |
| Fernando el Santo 25 Po- | rtal 2 - 5°I | | | | | |
| City | State | Postal (Zip) Cod | <u>e</u> | Çο | untry | |
| Gijón | *************************************** | 33204 | ****************** | ES | <u> </u> | |
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| NAME OF ADDITIONAL. | OINT INVENTOR IF | A petition I | has been f | iled | for this unsigned | |
| any: | | inventor | | | | |
| Given Name (first and middle) if | anyl), | | Family N | lame | or Surname | |
| Jie | | | XU | | | |
| Inventor's Signature | | | | | Date (mm/dd/yyyy) | |
| | , | | | | | |
| Residence: City | State | Country | | | | |
| Brookhaven | JGA | USA | *********** | | | |
| Mailing Address | | | | | | |
| 2204 Brookhaven View | · | T 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | | r | | |
| City | State | Postal (Zip) Cod | e | | | |
| Brookhaven | GA | 30319 | | U | USA | |
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| any: | | inventor | L Elagadia N | . [6] | ······································ | |
| Given Name (first and middle[if any]) | | | Family Name or Surname | | | |
| Pieter-Bas Inventor's Signature | | DE KI | Et | Date (mm/dd/yyyy) | | |
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| Residence City // | State | Country | | | h | |
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Assignment - page 3 of 4

JOINT ASSIGNMENT

| NAME OF ADDITIONAL, | A petition has been filed for this unsigned inventor | | | | |
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| Given Name (first and middlefif | I Chachter | Family Name or Sumame | | | |
| Francisco Javier | | SESM/ | A SANCHEZ | | |
| Inyeritris Signapur | | k | Date (mm/dd/yyyy) | | |
| I/ | | | | 10/21/2019 | |
| Residence Clar | State | Country | | 14012-11 2201-1 | |
| Gijón | | ES | | | |
| Mading Address | <u> </u> | | | ······· | |
| Fernando el Santo 25 Po | rtal 2 - 5°I | | | | |
| City | State | Postal (Zip) Cod | ¢ | Country | |
| Gijón | | 33204 | | ES | |
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| NAME OF ADDITIONAL. | | A petition I | nas been fi | led for this unsigned | |
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| Jie | | | XU | | |
| Inventor's Signature | | | | Date (mm/dd/yyyy) | |
| | | ,4,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | ****************** | | |
| Residence City | State | Country | | | |
| Brookhaven | GA | USA | | | |
| Mailing Address | | | | | |
| 2204 Brookhaven View | , | 3 - 6 | | Country | |
| City | State | Postal (Zip) Cod | <u>e</u> | | |
| Brookhaven | I GA | 30319 | | USA | |
| | | | | | |
| NAME OF ADDITIONAL J | OINT INVENTOR, if | | nas been fi | led for this unsigned | |
| any: Given Name (first and middle(if: | anvi) | inventor | Family N | une or Sumane | |
| Pieter-Bas | 1000Q40X4- | | DE KL | | |
| Inventor's Signature | | | Date (mm/dd/yyyy) | | |
| | | | | | |
| Residence: City | State | Country | | | |
| Voorburg | NL | | | | |
| Mailing Address | | | | | |
| Prinses Beatrixlaan 336 | <u>,</u> | | | | |
| City | State | Postal (Zip) Cod | E . | Country | |
| Voorburg | | 2273 | | NL | |

Assignment - page 3 of 4

| NAME OF ADDITIONAL JOINT INVENTOR, II | į x | A petition has been filed for this unsigned inventor | | | |
|---|---|--|---|--|--|
| any: Cityen Name (first and middlefif anyl) | f myenor | Family Nam | e or Surname | | |
| Jonatan | | HERNAN | NDEZ ALVAREZ | | |
| Inventor's Signature | *************************************** | | Date (mm/dd/yyyy) | | |
| | | | 10/21/2019 | | |
| Residence: City State | Country | *************************************** | | | |
| Oviedo | ES | | | | |
| Mailing Address | | | | | |
| C/ Ramiro I 2, 5C | | | *************************************** | | |
| City State | Postal (Zip) Cod | € Co | ountry | | |
| Oviedo | 33012 | E | S | | |
| | | | | | |
| NAME OF ADDITIONAL JOINT INVENTOR, if any: | A petition l | 2003 | for this unsigned | | |
| Given Name (first and middlefif anyl) | | Family Name | e or Surname | | |
| Ana Belén | | QUIROG | A SÁNCHEZ | | |
| Inventor's Signature | | | Date (mm/dd/yyyy) | | |
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| Residence: City State | Country | | X | | |
| Oviedo | ES | | | | |
| Mailing Address | | | | | |
| C/ Carlos Bousoño 2, 4B | | | | | |
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| Oviedo | 33003 | E | 5 | | |
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| NAME OF ADDITIONAL JOINT INVENTOR, if | ' A petition b | as been filed | for this unsigned | | |
| any: Given Name (first and middle(if any)) | inventor | Family Name | or Surgame | | |
| Marcos | | PÉREZ P | | | |
| Investor's Signature | | E EXXXXX E | Date (mm/dd/yyyy) | | |
| \ <u></u> | | | 10/21/2019 | | |
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| Oviedo | ES | | | | |
| Mailing Address | *************************************** | •••••••••••••••• | | | |
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| <u>City</u> <u>State</u> | Postal (Zip) Code | Co | untry | | |
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Assignment - page 4 of 4

at the expense of ASSIGNEES, ASSIGNORS will fully cooperate in any legal proceedings, including any proceeding within the United States Patent and Trademark Office or other Patent Office anywhere in the world, relating thereto, sign all lawful papers, execute all non-provisional, divisional, continuing, continuations-in-part, reissue and substitute applications, make all rightful oaths and declarations, and, in addition, execute any and all documents required to vest title in ASSIGNEES and to aid ASSIGNEES to obtain and enforce proper protection for said invention in all countries.

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| NAME OF SOLE OR FIRST INVENTOR: | | A petition has been filed for this unsigned inventor | | | |
|---|---------------|--|-----------------------|---|--|
| Given Name (first and middle[if any]) | | | Family Name or Sumame | | |
| Andreas | | | SCHIE | RENBECK | |
| Inventor's Signands | V = V = A = A | | | Date (mm/dd/xxxx) | |
| | 3 (/) = \ | | | 10/24/2019 | |
| Residence: City | State | Country | | | |
| Ratingen | | DE | | | |
| Mailing Address | 27 | | | Anthode Programme and Anthode A | |
| Kohlstraße 17 | | | | | |
| City | State | Postal (Zip) Code | | Country | |
| Ratingen | | 40883 | | DE | |
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| NAME OF ADDITIONAL JOINT INVENTOR, I | | A petition has been filed for this unsigned | | | |
| any: Given Name (first and middle!if : | nv{} | inventor Family Name or Samame | | | |
| Thomas | 555440 | FELIS | | | |
| Inventor's Signature | | | 0.10.23.23.43 | Date (mm/dd/yyyy) | |
| | | | | | |
| | F.,. | | | | |
| Residence: City | State | Country | | | |
| Seattle | WA | USA | | | |
| Mailing Address | | | | | |
| 806 W. Crockett St. | | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | | |
| Cite | State | Postal (Zip) Code Country | | | |
| Seattle | WA | 98119 | | USA | |

Assignment - page 2 of 4

| NAME OF ADDITIONAL, | A petition has been filed for this unsigned | | | | |
|--|---|--|-----------------|-------------------|---|
| any: Given Name (first and middle) if | inventor Family Name or Surname | | | e or Surname | |
| | | | | | |
| Francisco Javier Inventor's Signature | | | 1 SESM | A S | SANCHEZ |
| inventa s oferanic | | | | | Date (mm/dd/yyyy) |
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| Residence: City | State | Country | ····· | ****** | |
| Gijón | | ES | | | |
| Mailing Address | | *************************************** | | ****** | |
| Fernando el Santo 25 Por | rtal 2 - 5°I | | | | |
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| NAME OF ADDITIONAL. | • | A petition inventor | has been f | iled | for this unsigned |
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| Inventor's Signature | *************************************** | | 4 | | Date (mm/dd/yyyy) |
| dute | ···· | | | | 10/18/2019 |
| Residence: City | State | Country | | | |
| Brookhaven | GA | USA | | | |
| Mailing Address | | | | | |
| 2204 Brookhaven View | NE | | | | |
| City | State | Postal (Zip) Cod | | Co | untry |
| Brookhaven | GA | 30319 | | U | SA |
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| NAME OF ADDITIONAL] | OINT INVENTOR, if | A petition I | has been f | iled | for this unsigned |
| any: | | inventor | | | |
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| Pieter-Bas | | | DE KL | EE | R |
| Inventor's Signature | | .,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | Date (mm/dd/yyyy) | |
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| Residence: City | State | Country | ************* | | · |
| Voorburg | NL | | | | |
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| Prinses Beatrixlaan 336 | | | | | |
| City | State | Postal (Zip) Cod | <u>.</u> | Co | untry |
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