

<b>PATENT ASSIGNMENT COVER SHEET</b>
--------------------------------------

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5856330

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
SUMAN DWARI	01/20/2019
AJIT RAJAGOPALAN	01/16/2019
STEPHEN SAVULAK	01/18/2019
GORAN DJUKNIC	12/21/2018
PARIKSHITH B. CHANNEGOWDA	01/02/2019
ENRICO MANES	02/15/2019
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	OTIS ELEVATOR COMPANY
<b>Street Address:</b>	ONE CARRIER PLACE
<b>City:</b>	FARMINGTON
<b>State/Country:</b>	CONNECTICUT
<b>Postal Code:</b>	06032
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16706966
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(860)286-0115
<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>	
<b>Phone:</b>	860-286-2929
<b>Email:</b>	usptopatentmail@cantorcolburn.com
<b>Correspondent Name:</b>	CANTOR COLBURN LLP - OTIS ELEVATOR INTEL
<b>Address Line 1:</b>	20 CHURCH STREET, 22ND FLOOR
<b>Address Line 4:</b>	HARTFORD, CONNECTICUT 06103
<b>ATTORNEY DOCKET NUMBER:</b>	05984US02 (U321504US2)
<b>NAME OF SUBMITTER:</b>	NICHOLAS R. STANGO
<b>SIGNATURE:</b>	/Nicholas R. Stango/
<b>DATE SIGNED:</b>	12/09/2019
<b>Total Attachments: 9</b>	

source=8FV7928#page1.tif  
source=8FV7928#page2.tif  
source=8FV7928#page3.tif  
source=8FV7928#page4.tif  
source=8FV7928#page5.tif  
source=8FV7928#page6.tif  
source=8FV7928#page7.tif  
source=8FV7928#page8.tif  
source=8FV7928#page9.tif

## ASSIGNMENT

WHEREAS, We, **Suman Dwari, Ajit Rajagopalan, Stephen Savulak, Goran Djuknic, Parikshith B. Channegowda** and **Enrico Manes** of **411 Silver Lane, East Hartford, CT 06108** have invented certain improvements in

### **WIRELESS POWER TRANSFER SYSTEM FOR ELEVATORS WITH EXTENDED RANGE**

identified as Attorney Docket No. **105984** and described in a patent application as further identified herein below, and

WHEREAS, **OTIS ELEVATOR COMPANY**, (hereinafter Assignee) of a New Jersey, U.S.A. corporation, having a place of business at One Carrier Place, Farmington, Connecticut, United States of America 06032 is desirous of acquiring the entire worldwide right, title and interest in and to said invention or inventions and any and all patents, utility models, design patents or other industrial property rights to be obtained therefore;

NOW, THEREFORE, in consideration of inventor compensation determined and paid in accordance with the UTRC Employee Inventor Compensation Award Policy, the undersigned does hereby sell, assign, transfer and set over unto Assignee, its successors and assigns, to the extent owned or assignable by the undersigned, all right, title and interest in and to:

- said invention or inventions, as described in the aforesaid patent application, in any form or embodiment thereof, and in and to the aforesaid application;
- any application filed in any country, jurisdiction or other authority based thereon, including direct or indirect nonprovisional, divisional, continuation-in-part or substitute applications, and including the right to file said applications under the provisions of the Paris Convention for the Protection of Industrial Property, the Patent Corporation Treaty or other international convention or agreement;
- any and all patents or reissues or extensions thereof to be obtained in any country, jurisdiction or other authority which may be filed upon said invention or inventions in any country or other authority;
- all such rights relating to prior infringements, retroactive or past royalties, provisional rights, and other retroactive or past relief or compensation.

The undersigned hereby authorizes and requests the issuing authority to issue any and all patents on said application or applications to Assignee or its successors and assigns.

The undersigned further agrees, to communicate to Assignee, its representatives or agents or its successors and assigns, any facts relating to said invention or inventions including evidence for interference purposes or for other legal proceedings whenever requested; testify in any interference or other legal proceedings, whenever requested; execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective; and generally do everything possible to aid Assignee, its successors or assigns and nominees to obtain and enforce proper patent protection for said invention or inventions in any country.

105984US01 (U321504US)

**PATENT**  
**REEL: 051214 FRAME: 0253**

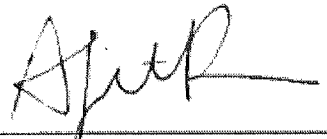
The undersigned hereby authorizes the Assignee to insert the application number and filing date of the above-noted international patent application into the following spaces, when known:

Application No. 62/779,511  
Country or Receiving Office: US  
Filing Date: December 14, 2018  
Inventors: Suman Dwari, Ajit Rajagopalan, Stephen Savulak, Goran Djuknic, Parikshith B. Channegowda, Enrico Manes

IN TESTIMONY WHEREOF, the undersigned has hereunto set her/his hand and seal on the date after her/his signature.

  
\_\_\_\_\_  
**Suman Dwari**

1/20/2019  
Date: \_\_\_\_\_

  
\_\_\_\_\_  
**Ajit Rajagopalan**

1/16/2019  
Date: \_\_\_\_\_

\_\_\_\_\_  
**Stephen Savulak**

Date: \_\_\_\_\_

\_\_\_\_\_  
**Goran Djuknic**

Date: \_\_\_\_\_

\_\_\_\_\_  
**Parikshith B. Channegowda**

Date: \_\_\_\_\_

\_\_\_\_\_  
**Enrico Manes**

Date: \_\_\_\_\_

105984US01 (U321504US)

## ASSIGNMENT

WHEREAS, We, **Suman Dwari, Ajit Rajagopalan, Stephen Savulak, Goran Djuknic, Parikshith B. Channegowda** and **Enrico Manes** of **411 Silver Lane, East Hartford, CT 06108** have invented certain improvements in

### **WIRELESS POWER TRANSFER SYSTEM FOR ELEVATORS WITH EXTENDED RANGE**

identified as Attorney Docket No. **105984** and described in a patent application as further identified herein below, and

WHEREAS, **OTIS ELEVATOR COMPANY**, (hereinafter Assignee) of a New Jersey, U.S.A. corporation, having a place of business at One Carrier Place, Farmington, Connecticut, United States of America 06032 is desirous of acquiring the entire worldwide right, title and interest in and to said invention or inventions and any and all patents, utility models, design patents or other industrial property rights to be obtained therefore;

NOW, THEREFORE, in consideration of inventor compensation determined and paid in accordance with the UTRC Employee Inventor Compensation Award Policy, the undersigned does hereby sell, assign, transfer and set over unto Assignee, its successors and assigns, to the extent owned or assignable by the undersigned, all right, title and interest in and to:

- said invention or inventions, as described in the aforesaid patent application, in any form or embodiment thereof, and in and to the aforesaid application;
- any application filed in any country, jurisdiction or other authority based thereon, including direct or indirect nonprovisional, divisional, continuation-in-part or substitute applications, and including the right to file said applications under the provisions of the Paris Convention for the Protection of Industrial Property, the Patent Corporation Treaty or other international convention or agreement;
- any and all patents or reissues or extensions thereof to be obtained in any country, jurisdiction or other authority which may be filed upon said invention or inventions in any country or other authority;
- all such rights relating to prior infringements, retroactive or past royalties, provisional rights, and other retroactive or past relief or compensation.

The undersigned hereby authorizes and requests the issuing authority to issue any and all patents on said application or applications to Assignee or its successors and assigns.

The undersigned further agrees, to communicate to Assignee, its representatives or agents or its successors and assigns, any facts relating to said invention or inventions including evidence for interference purposes or for other legal proceedings whenever requested; testify in any interference or other legal proceedings, whenever requested; execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective; and generally do everything possible to aid Assignee, its successors or assigns and nominees to obtain and enforce proper patent protection for said invention or inventions in any country.

105984US01 (U321504US)

**PATENT**  
**REEL: 051214 FRAME: 0255**

The undersigned hereby authorizes the Assignee to insert the application number and filing date of the above-noted international patent application into the following spaces, when known:

Application No. 62/779,511  
Country or Receiving Office: US  
Filing Date: December 14, 2018  
Inventors: Suman Dwari, Ajit Rajagopalan, Stephen Savulak, Goran Djuknic, Parikshith B. Channegowda, Enrico Manes

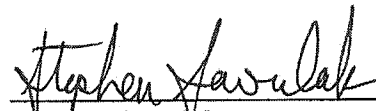
IN TESTIMONY WHEREOF, the undersigned has hereunto set her/his hand and seal on the date after her/his signature.

\_\_\_\_\_  
**Suman Dwari**

Date: \_\_\_\_\_

\_\_\_\_\_  
**Ajit Rajagopalan**

Date: \_\_\_\_\_

  
\_\_\_\_\_  
**Stephen Savulak**

Date: 1/18/2019

\_\_\_\_\_  
**Goran Djuknic**

Date: \_\_\_\_\_

\_\_\_\_\_  
**Parikshith B. Channegowda**

Date: \_\_\_\_\_

\_\_\_\_\_  
**Enrico Manes**

Date: \_\_\_\_\_

## ASSIGNMENT

WHEREAS, We, **Suman Dwari, Ajit Rajagopalan, Stephen Savulak, Goran Djuknic, Parikshith B. Channegowda** and **Enrico Manes** of **411 Silver Lane, East Hartford, CT 06108** have invented certain improvements in

### **WIRELESS POWER TRANSFER SYSTEM FOR ELEVATORS WITH EXTENDED RANGE**

identified as Attorney Docket No. **105984** and described in a patent application as further identified herein below, and

WHEREAS, **OTIS ELEVATOR COMPANY**, (hereinafter Assignee) of a New Jersey, U.S.A. corporation, having a place of business at One Carrier Place, Farmington, Connecticut, United States of America 06032 is desirous of acquiring the entire worldwide right, title and interest in and to said invention or inventions and any and all patents, utility models, design patents or other industrial property rights to be obtained therefore;

NOW, THEREFORE, in consideration of inventor compensation determined and paid in accordance with the UTRC Employee Inventor Compensation Award Policy, the undersigned does hereby sell, assign, transfer and set over unto Assignee, its successors and assigns, to the extent owned or assignable by the undersigned, all right, title and interest in and to:

- said invention or inventions, as described in the aforesaid patent application, in any form or embodiment thereof, and in and to the aforesaid application;
- any application filed in any country, jurisdiction or other authority based thereon, including direct or indirect nonprovisional, divisional, continuation-in-part or substitute applications, and including the right to file said applications under the provisions of the Paris Convention for the Protection of Industrial Property, the Patent Corporation Treaty or other international convention or agreement;
- any and all patents or reissues or extensions thereof to be obtained in any country, jurisdiction or other authority which may be filed upon said invention or inventions in any country or other authority;
- all such rights relating to prior infringements, retroactive or past royalties, provisional rights, and other retroactive or past relief or compensation.

The undersigned hereby authorizes and requests the issuing authority to issue any and all patents on said application or applications to Assignee or its successors and assigns.

The undersigned further agrees, to communicate to Assignee, its representatives or agents or its successors and assigns, any facts relating to said invention or inventions including evidence for interference purposes or for other legal proceedings whenever requested; testify in any interference or other legal proceedings, whenever requested; execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective; and generally do everything possible to aid Assignee, its successors or assigns and nominees to obtain and enforce proper patent protection for said invention or inventions in any country.

105984US01 (U321504US)

**PATENT**  
**REEL: 051214 FRAME: 0257**

The undersigned hereby authorizes the Assignee to insert the application number and filing date of the above-noted international patent application into the following spaces, when known:

Application No. 62/779,511  
Country or Receiving Office: US  
Filing Date: December 14, 2018  
Inventors: Suman Dwari, Ajit Rajagopalan, Stephen Savulak, Goran Djuknic, Parikshith B. Channegowda, Enrico Manes

IN TESTIMONY WHEREOF, the undersigned has hereunto set her/his hand and seal on the date after her/his signature.

\_\_\_\_\_  
**Suman Dwari**

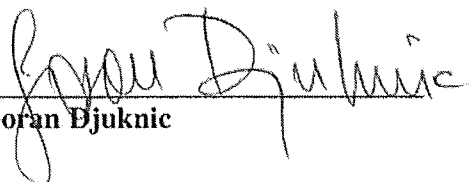
Date: \_\_\_\_\_

\_\_\_\_\_  
**Ajit Rajagopalan**

Date: \_\_\_\_\_

\_\_\_\_\_  
**Stephen Savulak**

Date: \_\_\_\_\_

  
\_\_\_\_\_  
**Goran Djuknic**

Date: 12/20/18

\_\_\_\_\_  
**Parikshith B. Channegowda**

Date: \_\_\_\_\_

\_\_\_\_\_  
**Enrico Manes**

Date: \_\_\_\_\_



The undersigned hereby authorizes the Assignee to insert the application number and filing date of the above-noted international patent application into the following spaces, when known:

Application No. 62/779,511  
Country or Receiving Office: US  
Filing Date: December 14, 2018  
Inventors: Suman Dwari, Ajit Rajagopalan, Stephen Savulak, Goran Djuknic, Parikshith B. Channegowda, Enrico Manes

IN TESTIMONY WHEREOF, the undersigned has hereunto set her/his hand and seal on the date after her/his signature.

\_\_\_\_\_  
**Suman Dwari**

Date: \_\_\_\_\_

\_\_\_\_\_  
**Ajit Rajagopalan**

Date: \_\_\_\_\_

\_\_\_\_\_  
**Stephen Savulak**

Date: \_\_\_\_\_

\_\_\_\_\_  
**Goran Djuknic**

Date: \_\_\_\_\_

*B. C. Parikshith*  
\_\_\_\_\_  
**Parikshith B. Channegowda**

Date: 1/21/2019

\_\_\_\_\_  
**Enrico Manes**

Date: \_\_\_\_\_

## ASSIGNMENT

WHEREAS, We, **Suman Dwari, Ajit Rajagopalan, Stephen Savulak, Goran Djuknic, Parikshith B. Channegowda and Enrico Manes** of **411 Silver Lane, East Hartford, CT 06108** have invented certain improvements in

### **WIRELESS POWER TRANSFER SYSTEM FOR ELEVATORS WITH EXTENDED RANGE**

identified as Attorney Docket No. **105984** and described in a patent application as further identified herein below, and

WHEREAS, **OTIS ELEVATOR COMPANY**, (hereinafter Assignee) of a New Jersey, U.S.A. corporation, having a place of business at One Carrier Place, Farmington, Connecticut, United States of America 06032 is desirous of acquiring the entire worldwide right, title and interest in and to said invention or inventions and any and all patents, utility models, design patents or other industrial property rights to be obtained therefore;

NOW, THEREFORE, in consideration of inventor compensation determined and paid in accordance with the UTRC Employee Inventor Compensation Award Policy, the undersigned does hereby sell, assign, transfer and set over unto Assignee, its successors and assigns, to the extent owned or assignable by the undersigned, all right, title and interest in and to:

- said invention or inventions, as described in the aforesaid patent application, in any form or embodiment thereof, and in and to the aforesaid application;
- any application filed in any country, jurisdiction or other authority based thereon, including direct or indirect nonprovisional, divisional, continuation-in-part or substitute applications, and including the right to file said applications under the provisions of the Paris Convention for the Protection of Industrial Property, the Patent Corporation Treaty or other international convention or agreement;
- any and all patents or reissues or extensions thereof to be obtained in any country, jurisdiction or other authority which may be filed upon said invention or inventions in any country or other authority;
- all such rights relating to prior infringements, retroactive or past royalties, provisional rights, and other retroactive or past relief or compensation.

The undersigned hereby authorizes and requests the issuing authority to issue any and all patents on said application or applications to Assignee or its successors and assigns.

The undersigned further agrees, to communicate to Assignee, its representatives or agents or its successors and assigns, any facts relating to said invention or inventions including evidence for interference purposes or for other legal proceedings whenever requested; testify in any interference or other legal proceedings, whenever requested; execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective; and generally do everything possible to aid Assignee, its successors or assigns and nominees to obtain and enforce proper patent protection for said invention or inventions in any country.

105984US01 (U321504US)

**PATENT**  
**REEL: 051214 FRAME: 0260**

The undersigned hereby authorizes the Assignee to insert the application number and filing date of the above-noted international patent application into the following spaces, when known:

Application No. 62/779,511  
Country or Receiving Office: US  
Filing Date: December 14, 2018  
Inventors: Suman Dwari, Ajit Rajagopalan, Stephen Savulak, Goran Djuknic,  
Parikshith B. Channegowda, Enrico Manes

IN TESTIMONY WHEREOF, the undersigned has hereunto set her/his hand and seal on the date after her/his signature.

\_\_\_\_\_  
**Suman Dwari** Date: \_\_\_\_\_

\_\_\_\_\_  
**Ajit Rajagopalan** Date: \_\_\_\_\_

\_\_\_\_\_  
**Stephen Savulak** Date: \_\_\_\_\_

\_\_\_\_\_  
**Goran Djuknic** Date: \_\_\_\_\_

\_\_\_\_\_  
**Parikshith B. Channegowda** Date: \_\_\_\_\_

*Enrico Nino Manes*  
\_\_\_\_\_  
**Enrico Manes** Date: 2/15/2019