

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5518734

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MICHAEL J. BIRNKRANT	03/21/2017
PETER R. HARRIS	03/21/2017
JENNIFER M. ALEXANDER	03/21/2017
ANIS ZRIBI	04/15/2017
BARRY STAHL	11/15/2016
ABHAY NADGIR	11/16/2016
JOHN ANDRES	03/10/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	CARRIER CORPORATION
<b>Street Address:</b>	17900 BEELINE HIGHWAY
<b>City:</b>	JUPITER
<b>State/Country:</b>	FLORIDA
<b>Postal Code:</b>	33478
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>PCT Number:</b>	US2017060615
<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
<b>Address Line 1:</b>	20 CHURCH STREET, 22ND FLOOR
<b>Address Line 4:</b>	HARTFORD, CONNECTICUT 06103
<b>ATTORNEY DOCKET NUMBER:</b>	94455WO01 (U300893PCT)
<b>NAME OF SUBMITTER:</b>	JAMES E. WIMPE
<b>SIGNATURE:</b>	/James E. Wimpe, Reg. No. 59,990/
<b>DATE SIGNED:</b>	05/13/2019

**Total Attachments: 8**

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## ASSIGNMENT

WHEREAS, We, Michael J. Birnkrant of 411 Silver Lane, East Hartford, CT 06108, Peter R. Harris of 411 Silver Lane, East Hartford, CT 06108, Jennifer M. Alexander of 411 Silver Lane, East Hartford, CT 06108, Anis Zribi of 4820 Centennial Blvd, Ste 145, Colorado Springs, CO 80919, Barry Stahl of 1016 Corporate Park Drive, Mebane, NC 27302, Abhay Nadgir of 400 Main Street, Ashland, MA 01721, and John Andres of 1016 Corporate Park Drive, Mebane, NC 27302, have invented certain improvements in

### HIGH SENSITIVITY FIBER OPTIC BASED DETECTION

identified as Attorney Docket No. 94455 and described in a patent application as further identified hereinbelow, and

WHEREAS, Carrier Corporation (hereinafter Assignee) of a Delaware, U.S.A. corporation, having a place of business at 17900 Beeline Highway, Jupiter, Florida 33478, United States of America 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 United Technologies Building & Industrial Systems 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 Cooperation 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.

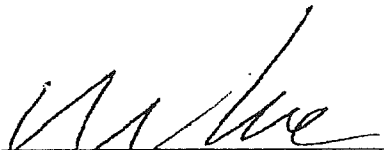
94455US01 (U300893US)

**PATENT**  
**REEL: 049152 FRAME: 0231**


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. 62/420,652  
Country or Receiving Office: United States  
Filing Date: November 11, 2016  
Inventors: Michael J. Birnkrant, Peter R. Harris, Jennifer M. Alexander,  
Anis Zribi, Barry Stahl, Abhay Nadgir, John Andres

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

  
\_\_\_\_\_  
Michael J. Birnkrant

Date: 3/21/17

  
\_\_\_\_\_  
Peter R. Harris

Date: 3/21/17

  
\_\_\_\_\_  
Jennifer M. Alexander

Date: 3/21/17

\_\_\_\_\_  
Anis Zribi

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

\_\_\_\_\_  
Barry Stahl

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

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\_\_\_\_\_  
Michael J. Birnkrant

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

\_\_\_\_\_  
Peter R. Harris


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

\_\_\_\_\_  
Jennifer M. Alexander

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

\_\_\_\_\_  
Anis Zribi

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

  
\_\_\_\_\_  
Barry Stahl

Date: 11/15/2016

94455US01 (U300893US)

PATENT  
REEL: 049152 FRAME: 0233



Abhay Nadgir

Date: Nov 16, 2016

John Andres

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

\_\_\_\_\_  
Abhay Nadgir

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

  
\_\_\_\_\_  
John Andres

Date: 3/10/17 \_\_\_\_\_

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ASSIGNMENT

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12 BURDAS, DR  
ROCHESTER, NY  
14625  
AZ

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NOW, THEREFORE, in consideration of inventor compensation determined and paid in accordance with the United Technologies Building & Industrial Systems 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.

94455US01 (U300893US)



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\_\_\_\_\_  
Jennifer M. Alexander

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

  
\_\_\_\_\_  
Anis Zribi

Date: 04/13/17

\_\_\_\_\_  
Barry Stahl

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

94455US01 (U300893US)

Abhay Nadgir

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

John Andres

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

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