

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
QIANCHUAN ZHAO	12/11/2014
ZHIJIN CHENG	12/11/2014
FULIN WANG	12/11/2014
YI JIANG	12/11/2014
JINLEI DING	12/13/2014
HAYDEN REEVE	12/11/2014
LUCA F. BERTUCCELLI	12/11/2014
RECEIVING PARTY DATA	
Name:	CARRIER CORPORATION
Street Address:	ONE CARRIER PLACE
City:	FARMINGTON
State/Country:	CONNECTICUT
Postal Code:	06034
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14849885
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NAME OF SUBMITTER:	DAVID A. FOX
SIGNATURE:	/David A. Fox/
DATE SIGNED:	09/10/2015

Total Attachments: 9

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ASSIGNMENT

I, **Qianchuan Zhao**, with a Business Address of Department of Automation, Tsinghua University, Beijing 100084 CN; **Zhijin Cheng** with a Business Address of Department of Automation, Tsinghua University, Beijing 100084 CN; **Fulin Wang**, with a Business Address of Department of Building Science, Tsinghua University, Beijing 100084 China; **Yi Jiang** with a Business Address of Department of Building Science, Tsinghua University, Beijing 100084 China; **Jinlei Ding** with a Business Address of Room 3502, 35/F, Kerry Parkside Office, 1155 Fang Dian Road, Pudong Shanghai 200120 CN; **Hayden Reeve** with a Business Address of 411 Silver Lane East Hartford, CT 06108, USA and **Luca F. Bertuccelli** with a Business Address of 411 Silver Lane East Hartford, CT 06108, have invented certain improvements in a "**GROUP DYNAMIC ENVIRONMENT CONTROL**", and described in Chinese Application No. **201410643746.4**, filed November 10, 2014 and listing as inventors: **Qianchuan Zhao, Zhijin Cheng, Fulin Wang, Yi Jiang, Jinlei Ding, Hayden Reeve, and Luca F. Bertuccelli** (hereinafter the Application).

At the time of the invention of the improvements, said improvements were assigned to or under obligation of assignment to **CARRIER CORPORATION** (hereinafter Assignee, a Delaware, U.S.A. corporation, having a place of business at One Carrier Place, Farmington, Connecticut, United States of America 06034.

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged by the undersigned, the undersigned have sold, assigned, transferred and set over and by these presents do hereby sell, assign, transfer and set over unto Assignee, its successors and assigns, our entire right, title and interest in and to:

said invention or inventions as described in the Application, in all forms and embodiments thereof and in all countries and other jurisdictions;

the Application and all applications filed in all countries and jurisdictions based thereon or otherwise for said invention or inventions, including direct or indirect divisional, continuation, continuation-in-part, or substitute applications, and including the right to file all said applications under the provisions of the Paris Convention for the Protection of Industrial Property, Patent Cooperation Treaty or other international

convention or agreement;

all patents and reissues, reexaminations, or extensions thereof to be obtained in all countries and jurisdictions upon said invention or inventions or from all said applications; and

all such rights relating to prior infringements, retroactive or past royalties, provisional rights, and other retroactive or past relief or compensation.

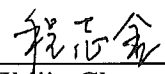
The undersigned hereby authorize and request the issuing authorities in all countries and jurisdictions to issue all patents on all said applications to Assignee or its successors and assigns.

The undersigned further agree, without any further payment or compensation by Assignee or its successors and assigns, to communicate to Assignee, its successors and assigns and to their representatives and agents, all facts relating to said invention or inventions including evidence for interference purposes or for other legal proceedings whenever requested; testify in all interference or other legal proceedings, whenever requested; execute and deliver, on request, all lawful papers required to make all 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 all countries and jurisdictions.

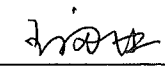
IN TESTIMONY WHEREOF, the undersigned have-hereunto set their hand and seal on the date after their signature.

(L.S.) 
Qianchuan Zhao

2014.12.11.
Date

(L.S.) 
Zhijin Cheng

2014.12.11
Date

(L.S.) 
Fulin Wang

2014.12.11
Date

(L.S.) 
Yi Jiang

2014.12.11
Date

(L.S.) _____
Jinlei Ding

Date

(L.S.) _____
Hayden Reeve

Date

(L.S.) _____
Luca F. Bertuccelli

Date

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In consideration of good and valuable consideration, the receipt of which is hereby acknowledged by the undersigned, the undersigned have sold, assigned, transferred and set over and by these presents do hereby sell, assign, transfer and set over unto Assignee, its successors and assigns, our entire right, title and interest in and to:

said invention or inventions as described in the Application, in all forms and embodiments thereof and in all countries and other jurisdictions;

the Application and all applications filed in all countries and jurisdictions based thereon or otherwise for said invention or inventions, including direct or indirect divisional, continuation, continuation-in-part, or substitute applications, and including the right to file all said applications under the provisions of the Paris Convention for the Protection of Industrial Property, Patent Cooperation Treaty or other international

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all such rights relating to prior infringements, retroactive or past royalties, provisional rights, and other retroactive or past relief or compensation.

The undersigned hereby authorize and request the issuing authorities in all countries and jurisdictions to issue all patents on all said applications to Assignee or its successors and assigns.

The undersigned further agree, without any further payment or compensation by Assignee or its successors and assigns, to communicate to Assignee, its successors and assigns and to their representatives and agents, all facts relating to said invention or inventions including evidence for interference purposes or for other legal proceedings whenever requested; testify in all interference or other legal proceedings, whenever requested; execute and deliver, on request, all lawful papers required to make all 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 all countries and jurisdictions.

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Qianchuan Zhao

Date

(L.S.) _____
Zhijin Cheng

Date

(L.S.) _____
Fulin Wang

Date

(L.S.) _____
Yi Jiang

Date

(L.S.) Jinlei Ding
Jinlei Ding

Dec. 15, 2018
Date

(L.S.) _____
Hayden Reeve

Date

(L.S.) _____
Luca F. Bertuccelli

Date

ASSIGNMENT

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Qianchuan Zhao

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Zhijin Cheng

Date

(L.S.) _____
Fulin Wang

Date

(L.S.) _____
Yi Jiang

Date

(L.S.) Jinlei Ding

Date

(L.S.) Hayden Reeve
Hayden Reeve

12/11/2014
Date

(L.S.) Luca F. Bertuccelli
Luca F. Bertuccelli

11 DEC 2014
Date