502642560 01/20/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2689168

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
WENCHUAN WU	01/02/2014
BOMING ZHANG	01/02/2014
HONGBIN SUN	01/02/2014
ZHIGANG LI	01/02/2014
QINGLAI GUO	01/02/2014

RECEIVING PARTY DATA

Name:	TSINGHUA UNIVERSITY	
Street Address:	QINGHUAYUAN	
City:	BEIJING	
State/Country:	CHINA	
Postal Code:	100084	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14143474

CORRESPONDENCE DATA

502642560

 Fax Number:
 (908)654-7866

 Phone:
 (908) 518-6391

Email: Assignment@ldlkm.com

Correspondence will be sent via US Mail when the email attempt is unsuccessful.

Correspondent Name: LDLK&M

Address Line 1: 600 SOUTH AVENUE WEST
Address Line 4: WESTFIELD, NEW JERSEY 07090

ATTORNEY DOCKET NUMBER:	9TIP 3.0F-027
NAME OF SUBMITTER:	CHRISTIAN LAFORGIA

PATENT REEL: 032003 FRAME: 0175

Signature:	/Christian LaForgia/
Date:	01/20/2014
Total Attachments: 5 source=Assignments 9TIP 3.0F-027 ()#page1.tif source=Assignments 9TIP 3.0F-027 ()#page2.tif source=Assignments 9TIP 3.0F-027 ()#page3.tif source=Assignments 9TIP 3.0F-027 ()#page4.tif source=Assignments 9TIP 3.0F-027 ()#page5.tif	

PATENT REEL: 032003 FRAME: 0176

former PTO/SB/15 (8-00) Modified LDLK&M Docket Number (Optional) **ASSIGNMENT OF UTILITY APPLICATION** 9TIP 3.0F-027 Whereas, I, Wenchuan Wu Qinghuayuan; Haidian; Beijing 100084; PEOPLE'S REPUBLIC OF CHINA hereafter referred to as assignor, have with others invented certain new and useful improvements in METHOD AND DEVICE FOR IDENTIFYING FEASIBILITY OF TRANSMISSION INTERFACE CONSTRAINT IN ONLINE ROLLING DISPATCHING X for which an application for a United States Letters Patent was filed on December 30, 2013 Application Number 14/143,474 for which an application for a United States Letters Patent was executed by me on for which an International Application was filed on , designating the United States. And Whereas, Tsinghua University a corporation of China herein referred to as "assignee" whose mailing address is Qinghuayuan; Beijing 100084; PEOPLE'S REPUBLIC OF CHINA is desirous of acquiring the entire right, title and interest in the same; NOW, THEREFORE, in consideration of the sum of dollar (\$ 1.00 one is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said assignee my entire right, title and interest for the United States of America and all other countries in and to said invention and the aforesaid utility patent application and all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries, for said invention, including without limitation all applications and patents for said invention claiming priority or benefit of the aforesaid utility application pursuant to any law or treaty, and including all claims for damages by reason of past infringement with the right to sue for and collect the same for its own use and the use of its successors, assigns and legal representatives, and including the right to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for me and my legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne and paid by said assignee. And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known. Wenchuan Wu 2014.1.2
Zhigang Li
Witness Zhigang Li Typed Name of Witness

x *Total of 5 forms are submitted.

former PTO/SB/15 (8-00) Modified LDLK&M Docket Number (Optional) #10-516 ASSIGNMENT OF UTILITY **APPLICATION** 9TIP 3.0F-027 , designating the United States.), the receipt whereof dollar (\$ 1.00

Whereas, I, Boming Zhang Qinghuayuan; Haidian; Beijing 100084; PEOPLE'S REPUBLIC OF CHINA hereafter referred to as assignor, have with others invented certain new and useful improvements in METHOD AND DEVICE FOR IDENTIFYING FEASIBILITY OF TRANSMISSION INTERFACE CONSTRAINT IN ONLINE ROLLING DISPATCHING X for which an application for a United States Letters Patent was filed on December 30, 2013 Application Number 14/143,474 for which an application for a United States Letters Patent was executed by me on for which an International Application was filed on And Whereas, Tsinghua University a corporation of China herein referred to as "assignee" whose mailing address is Qinghuayuan; Belijing 100084; PEOPLE'S REPUBLIC OF CHINA is desirous of acquiring the entire right, title and interest in the same; NOW, THEREFORE, in consideration of the sum of one is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said assignee my entire right, title and interest for the United States of America and all other countries in and to said invention and the aforesaid utility patent application and all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries, for said invention, including without limitation all applications and patents for said invention claiming priority or benefit of the aforesaid utility application pursuant to any law or treaty, and including all claims for damages by reason of past infringement with the right to sue for and collect the same for its own use and the use of its successors, assigns and legal representatives, and including the right to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for me and my legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne and paid by said assignee. And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known. Boming Zhang Zhigang Li Typed Name of Witness

PATENT

REEL: 032003 FRAME: 0178

former PTO/SB/15 (8-00) Modified LDLK&M Docket Number (Optional) ASSIGNMENT OF UTILITY APPLICATION 9TIP 3.0F-027 Whereas, I, Hongbin Sun Qinghuayuan; Haidian; Beijing 100084; PEOPLE'S REPUBLIC OF CHINA hereafter referred to as assignor, have with others invented certain new and useful improvements in METHOD AND DEVICE FOR IDENTIFYING FEASIBILITY OF TRANSMISSION INTERFACE CONSTRAINT IN ONLINE ROLLING DISPATCHING X for which an application for a United States Letters Patent was filed on December 30, 2013 Application Number 14/143,474 for which an application for a United States Letters Patent was executed by me on for which an International Application was filed on , designating the United States. And Whereas, Tsinghua University a corporation of China herein referred to as "assignee" whose mailing address is Qinghuayuan; Beijing 100084; PEOPLE'S REPUBLIC OF CHINA is desirous of acquiring the entire right, title and interest in the same: NOW, THEREFORE, in consideration of the sum of one <u>1.00</u>), the receipt whereof dollar (\$ is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said assignee my entire right, title and interest for the United States of America and all other countries in and to said invention and the aforesaid utility patent application and all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries, for said invention, including without limitation all applications and patents for said invention claiming priority or benefit of the aforesaid utility application pursuant to any law or treaty, and including all claims for damages by reason of past infringement with the right to sue for and collect the same for its own use and the use of its successors, assigns and legal representatives, and including the right to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for me and my legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne and paid by said assignee. And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known. Zhigang Li Typed Name of Witness

*Total of

forms are submitted,

PATENT REEL: 032003 FRAME: 0179

former PTO/SB/15 (8-00) Modified LDLK&M Docket Number (Optional) ASSIGNMENT OF UTILITY APPLICATION 9TIP 3.0F-027 Whereas, I, Zhigang Li Qinghuayuan; Haidian; Beijing 100084; PEOPLE'S REPUBLIC OF CHINA hereafter referred to as assignor, have with others invented certain new and useful improvements in METHOD AND DEVICE FOR IDENTIFYING FEASIBILITY OF TRANSMISSION INTERFACE CONSTRAINT IN ONLINE ROLLING DISPATCHING for which an application for a United States Letters Patent was filed on December 30, 2013 Application Number 14/143,474 for which an application for a United States Letters Patent was executed by me on for which an International Application was filed on , designating the United States. And Whereas, Tsinghua University a corporation of China herein referred to as "assignee" whose mailing address is Qinghuayuan; Beijing 100084; PEOPLE'S REPUBLIC OF CHINA is desirous of acquiring the entire right, title and interest in the same; NOW, THEREFORE, in consideration of the sum of one dollar (\$ 1.00), the receipt whereof is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said assignee my entire right, title and interest for the United States of America and all other countries in and to said invention and the aforesaid utility patent application and all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries, for said invention, including without limitation all applications and patents for said invention claiming priority or benefit of the aforesaid utility application pursuant to any law or treaty, and including all claims for damages by reason of past infringement with the right to sue for and collect the same for its own use and the use of its successors, assigns and legal representatives, and including the right to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein, and the undersigned for me and my legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne and paid by said assignee. And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known. Zhigang Li Wenchuan Wu

x *Total of 5 forms are submitted.

Typed Name of Witness

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former PTO/SB/15 (8-00) Modified LDLK&M Docket Number (Optional) ASSIGNMENT OF UTILITY APPLICATION 9TIP 3.0F-027 Whereas, I, Qinglai Guo Qinghuayuan; Haidian; Beijing 100084; PEOPLE'S REPUBLIC OF CHINA hereafter referred to as assignor, have with others invented certain new and useful improvements in METHOD AND DEVICE FOR IDENTIFYING FEASIBILITY OF TRANSMISSION INTERFACE CONSTRAINT IN ONLINE ROLLING DISPATCHING X for which an application for a United States Letters Patent was filed on December 30, 2013 Application Number 14/143,474 for which an application for a United States Letters Patent was executed by me on for which an International Application was filed on , designating the United States. And Whereas, Tsinghua University a corporation of China herein referred to as "assignee" whose mailing address is Qinghuayuan; Beijing 100084; PEOPLE'S REPUBLIC OF CHINA is desirous of acquiring the entire right, title and interest in the same: NOW, THEREFORE, in consideration of the sum of one dollar (\$ <u>1.00</u>), the receipt whereof is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said assignee my entire right, title and interest for the United States of America and all other countries in and to said invention and the aforesaid utility patent application and all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries, for said invention, including without limitation all applications and patents for said invention claiming priority or benefit of the aforesaid utility application pursuant to any law or treaty, and including all claims for damages by reason of past infringement with the right to sue for and collect the same for its own use and the use of its successors, assigns and legal representatives, and including the right to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for me and my legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be bome and paid by said assignee. And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known. Zhigang Li

x *Total of 5 forms are submitted.

Typed Name of Witness

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