PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6518867

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CHENGPENG FU	01/20/2021
JINTAO TAO	01/20/2021
JUN CHEN	01/20/2021
MENGHUI LE	01/20/2021
CHUNPING YU	01/20/2021

RECEIVING PARTY DATA

Name:	ACCELINK TECHNOLOGIES CO., LTD.
Street Address:	1 TANHU ROAD, CANGLONGDAO DEVELOPMENT ZONE
Internal Address:	JIANGXIA DISTRICT
City:	WUHAN, HUBEI
State/Country:	CHINA
Postal Code:	430205

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17263283

CORRESPONDENCE DATA

Fax Number: (908)654-7866

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.

Phone: (908) 654-5000

Email: assignment@lernerdavid.com

LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK, LLP **Correspondent Name:**

Address Line 1: 20 COMMERCE DR.

Address Line 4: CRANFORD, NEW JERSEY 07016

ATTORNEY DOCKET NUMBER:	9ZYP 3.3F-033
NAME OF SUBMITTER:	MELINDA C. CORMIER
SIGNATURE:	/Melinda C. Cormier/
DATE SIGNED:	01/27/2021

Total Attachments: 5

PATENT REEL: 055049 FRAME: 0287

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> PATENT REEL: 055049 FRAME: 0288

former PTO/SS/15 (8-00) Modified LDLKSM
Docket Number (Options)

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ASSIGNMENT OF UTILITY APPLICATION	9ZYP 3.3F-033				
Whereas, I, Chengpeng Fu of					
Tanhu Road: Canglongdao Development Zone; Jiangxia District; Wuhan City, Hubei; 430205; CHINA					
hereafter referred to as assignor, have with others invented certe	· ·				
X for which an application for a United States Letters Patent was filed on					
for which an application for a United States Letters Patent was executed by me on					
x for which an International Application was filed on					
$\frac{PCT/CN2018/123433}{\text{And}} \text{ , designating the United}$	States.				
Whereas, Accelink Technologies Co., Ltd.	Nacional National Nat				
a corporation of People's Republic of China herein referred to as 1 Tanhu Road: Canglongdao Development Zone; Jiangxia I	•				
is desirous of acquiring the entire right, title and interest in the sa	ame;				
NOW, THEREFORE, in consideration of the sum of one is acknowledged, and other good and valuable consideration, assignee my entire right, title and interest for the United Stat invention and the aforesaid utility patent application and all capplications and patents applied for or granted therefor in the said invention, including without limitation all applications and patents applied for or granted therefor in the said invention, including without limitation all applications and patent aforesaid utility application pursuant to any law or treaty, a infringement with the right to sue for and collect the same for it legal representatives, and including the right to claim such princate are presentatives, and including the right to claim such princate assignee herein, as assignee of the entire interest it representatives, heirs and assigns do hereby agree and coverna all original, divisional, continuation, reissue and other applicate assignments thereof to said assignee or its assigns, to community the undersigned respecting said improvements, when legal proceedings in which any of said applications or patents all rightful oaths, and to do generally everything necessary to a obtain patent protection for said improvements in all countries, and paid by said assignee. And I do hereby authorize my attorneys to insert on this deed the	es of America and all other countries in and to said priginal, divisional, continuation, substitute or reissue. United States of America and all other countries, for patents for said invention claiming priority or benefit of and including all claims for damages by reason of past is own use and the use of its successors, assigns and prity or benefit and the Commissioner of Patents and patents on said improvements or resulting therefrom to interein; and the undersigned for me and my legal and without further remuneration, to execute and deliver tons for Letters Patent on said improvements and all iniciate to said assignee or its representatives all facts ever requested, to testify in any interferences or other may become involved, to sign all lawful papers, make all assignee, its successors, assigns and nominees to the expenses incident to said applications to be borne.				
when known.					
2021-1-20	Changeany Fu				
Date	Chengpeng Fu				
Liu Liu Witness					
Líu Liu					
Typed Name of Witness					
X *Total of 5 forms are submitted.					

former PTO/SB/15 (8-50) Modified LDLK&M Docket Number (Optional) ASSIGNMENT OF UTILITY APPLICATION 9ZYP 3.3F-033 Whereas, I, Jintao Tao _____ 1 Tanhu Road: Canglongdao Development Zone; Jiangxia District; Wuhan City, Hubei; 430205; CHINA hereafter referred to as assignor, have with others invented certain new and useful improvements in DWDM REMOTE PUMPING SYSTEM CAPABLE OF IMPROVING OSNR X for which an application for a United States Letters Patent was filed on January 26, 2021 Application Number 17/263,283 for which an application for a United States Letters Palent was executed by me on x for which an International Application was filed on December 25, 2018 , as PCT/CN2018/123433 , designating the United States. And Whereas, Accelink Technologies Co., Ltd. a corporation of People's Republic of China herein referred to as "assignee" whose mailing address is 1 Tanhu Road: Canglongdao Development Zone; Jiangxia District; Wuhan City, Hubei; 430205; 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 paths, and to do generally everything necessary to aid assignee, its successors, assigns and numinees 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.

x *Total of 5 forms are submitted.

former PTC/S8/15 (8-90) Modified LDLK8M Docket Number (Optional) ASSIGNMENT OF UTILITY APPLICATION 9ZYP 3.3F-033 Whereas, I, Jun Chen 1 Tanhu Road: Canglongdao Development Zone; Jiangxia District; Wuhan City, Hubei; 430205; hereafter referred to as assignor, have with others invented certain new and useful improvements in DWDM REMOTE PUMPING SYSTEM CAPABLE OF IMPROVING OSNR X for which an application for a United States Letters Patent was filed on January 26, 2021 Application Number 17/263,283 for which an application for a United States Letters Patent was executed by me on x for which an International Application was filed on December 25, 2018 , as PCT/CN2018/123433 , designating the United States. And Whereas, Accelink Technologies Co., Ltd. a corporation of People's Republic of China herein referred to as "assignee" whose mailing address is 1 Tanhu Road: Canglongdao Development Zone; Jiangxia District; Wuhan City, Hubei; 430205; 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 Paient 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. Date Jun Chen

X *Total of 5 forms are submitted.

former PTO/SB/15 (8-00) Modified LOLKEM Docket Number (Optional) ASSIGNMENT OF UTILITY APPLICATION 9ZYP 3.3F-033 Whereas, I, Menghui Le 1 Tanhu Road, Canglongdao Development Zone; Jiangxia District; Wuhan, Hubei; 430205, CHINA hereafter referred to as assignor, have with others invented certain new and useful improvements in DWDM REMOTE FUMPING SYSTEM CAPABLE OF IMPROVING OSNR X for which an application for a United States Letters Patent was filed on January 26, 2021 Application Number 17/263,283 for which an application for a United States Letters Patent was executed by me on x for which an International Application was filed on December 25, 2018 , as PCT/CN2018/123433 , designating the United States. And Whereas, Accelink Technologies Co., Ltd. a corporation of People's Republic of China herein referred to as "assignee" whose mailing address is 1 Tanhu Road: Canglongdao Development Zone; Jiangxia District; Wuhan City, Hubei; 430205; 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. Manyhui Le Menghui Le

X Total of 5 forms are submitted.

former PTO/SB/15 (8-00) Modified LOLKEM Docket Number (Optional) ASSIGNMENT OF UTILITY APPLICATION 9ZYP 3.3F-033 Whereas, I, Chunping Yu 1. Tanhu Road, Canglongdao Development Zone; Jiangxia District; Wuhan, Hubei; 430205; CHINA hereafter referred to as assignor, have with others invented certain new and useful improvements in DWDM REMOTE PUMPING SYSTEM CAPABLE OF IMPROVING OSNR X for which an application for a United States Letters Patent was filed on January 26, 2021 Application Number 17/263,283 for which an application for a United States Letters Patent was executed by me on x for which an International Application was filed on December 25, 2018 , as PCT/CN2018/123433 , designating the United States. And Whereas, Accelink Technologies Co., Ltd. a corporation of People's Republic of China herein referred to as "assignee" whose mailing address is 1 Tanhu Road: Canglongdao Development Zone; Jiangxia District; Wuhan City, Hubei; 430205; 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 facis 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. Chunping, In

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PATENT REEL: 055049 FRAME: 0293