

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT6547672

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
YIJIAN CHEN	01/26/2021
BO GAO	01/19/2021
CHUANGXIN JIANG	01/22/2021
YU NGOK LI	01/28/2021
ZHAOHUA LU	01/20/2021
HAO WU	01/19/2021
HUAHUA XIAO	01/21/2021
SHUJUAN ZHANG	01/22/2021
RECEIVING PARTY DATA	
Name:	ZTE CORPORATION
Street Address:	ZTE PLAZA, KEJI ROAD SOUTH
Internal Address:	HI-TECH INDUSTRIAL PARK, NANSHAN
City:	SHENZHEN, GUANGDONG
State/Country:	CHINA
Postal Code:	518057
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	17265029
CORRESPONDENCE DATA	
Fax Number:	(312)321-4299
<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>	
Phone:	3123214200
Email:	usassignments@brinksgilson.com, kkerns@brinksgilson.com
Correspondent Name:	BRINKS GILSON & LIONE
Address Line 1:	PO BOX 10395
Address Line 4:	CHICAGO, ILLINOIS 60610
ATTORNEY DOCKET NUMBER:	16883-4
NAME OF SUBMITTER:	GANG CHEN

SIGNATURE:	/Gang Chen/
DATE SIGNED:	02/11/2021
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 24

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COMBINED ASSIGNMENT & DECLARATION

ASSIGNMENT

WHEREAS, Yu Ngok LI, Bo GAO, Hao WU, Shujuan ZHANG, Chuangxin JIANG, Huahua XIAO, Yijian CHEN, and Zhaohua LU, hereinafter called the "Assignors", have made the invention described in the United States patent application entitled ANTENNA GROUP OPERATIONS FOR WIRELESS SYSTEMS, executed by Assignors on the same date as, or on a date prior to, this Assignment;

WHEREAS, ZTE Corporation, a corporation organized and existing under the laws of P. R. China, having a place of business at ZTE Plaza, Keji Road South, Hi-Tech Industrial Park, Nanshan, Shenzhen, Guangdong 518057, China, hereinafter called the "Assignee", desires to acquire the entire right, title and interest in and to the invention and the patent application identified above, and all patents which may be obtained for said invention, as set forth below;

NOW, THEREFORE, be it known that, for good and valuable consideration the receipt of which by the Assignors from Assignee is hereby acknowledged, the Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer to the Assignee, the entire right, title and interest for the United States in and to the invention and the patent application identified above, and any patents that may issue for said invention in the United States; together with the entire right, title and interest in and to said invention and all patent applications and patents issuing therefrom in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; together with the entire right, title and interest in and to all continuations, divisions, renewals and extensions of any of the patent applications and patents defined above; together with the right to recover all damages, including, but not limited to, a reasonable royalty, by reason of past, present, or future infringement or any other violation of patent or patent application rights; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for all such patents.

The Assignors hereby covenant and agree, for both the Assignors and the Assignors' legal representatives, that the Assignors will assist the Assignee in the prosecution of the patent application identified above; in the making and prosecution of any other patent applications that the Assignee may elect to make covering the invention identified above; in vesting in the Assignee like exclusive title in and to all such other patent applications and patents; and that the Assignors will execute and deliver to the Assignee any and all additional papers which may be requested by the Assignee to carry out the terms of this Assignment.

The Commissioner of Patents and Trademarks is hereby authorized and requested to issue patents to the Assignee in accordance with the terms of this Assignment.

IN TESTIMONY WHEREOF, the Assignors have executed this agreement.

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As the below-named inventor, I hereby declare that:

This Declaration is directed to the attached application. I have reviewed and understand the contents of the above-identified patent application including the claims, and I believe that I am the original inventor or an original joint inventor of a claimed invention in the above-identified patent application. The above-identified patent application was made or authorized to be made by me.

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DATE: _____
Yu Ngok LI

DATE: _____
Bo GAO

DATE: _____
Hao WU

DATE: _____
Shujuan ZHANG

DATE: _____
Chuangxin JIANG

DATE: _____
Huahua XIAO

DATE: 2021.1.26
Yijian CHEN

DATE: _____
Zhaohua LU

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DATE: _____ Yu Ngok LI

DATE: 2021-1-19 _____
Bo Gao
Bo GAO

DATE: _____ Hao WU

DATE: _____ Shujuan ZHANG

DATE: _____ Chuangxin JIANG

DATE: _____ Huahua XIAO

DATE: _____ Yijian CHEN

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DATE: _____ Yu Ngok LI

DATE: _____ Bo GAO

DATE: _____ Hao WU

DATE: _____ Shujuan ZHANG

DATE: 2021/1/22 Chuangxin Jiang
Chuangxin JIANG

DATE: _____ Huahua XIAO

DATE: _____ Yijian CHEN

DATE: _____ Zhaohua LU

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DATE: January 28, 2021 YU NGOK LI
Yu Ngok LI

DATE: _____ Bo GAO

DATE: _____ Hao WU

DATE: _____ Shujuan ZHANG

DATE: _____ Chuangxin JIANG

DATE: _____ Huahua XIAO

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DATE: _____ Zhachua LU

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DATE: _____ Hao WU

DATE: _____ Shujuan ZHANG

DATE: _____ Chuangxin JIANG

DATE: _____ Huahua XIAO

DATE: _____ Yijian CHEN

DATE: 2021-1-20 _____ *Zhaohua Lu*
Zhaohua LU

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DATE: _____ Bo GAO

DATE: 2021-1-19 Hao Wu
Hao WU

DATE: _____ Shujuan ZHANG

DATE: _____ Chuangxin JIANG

DATE: _____ Huahua XIAO

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DECLARATION

As the below-named inventor, I hereby declare that:

This Declaration is directed to the attached application. I have reviewed and understand the contents of the above-identified patent application including the claims, and I believe that I am the original inventor or an original joint inventor of a claimed invention in the above-identified patent application. The above-identified patent application was made or authorized to be made by me.

I acknowledge my duty to disclose to the United States Patent and Trademark Office all information that I know to be material to the patentability of this application as defined in 37 C.F.R. § 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby acknowledge that any willful false statement made in this Declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

Further, I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false

statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001 and that such willful false statements may jeopardize the validity of the application and any patent issued thereon.

DATE: _____
Yu Ngok LI

DATE: _____
Bo GAO

DATE: _____
Hao WU

DATE: _____
Shujuan ZHANG

DATE: _____
Chuangxin JIANG

DATE: 2021-01-21
Huahua, XIAO
Huahua XIAO

DATE: _____
Yijian CHEN

DATE: _____
Zhaohua LU

COMBINED ASSIGNMENT & DECLARATION

ASSIGNMENT

WHEREAS, Yu Ngok LI, Bo GAO, Hao WU, Shujuan ZHANG, Chuangxin JIANG, Huahua XIAO, Yijian CHEN, and Zhaohua LU, hereinafter called the "Assignors", have made the invention described in the United States patent application entitled ANTENNA GROUP OPERATIONS FOR WIRELESS SYSTEMS, executed by Assignors on the same date as, or on a date prior to, this Assignment;

WHEREAS, ZTE Corporation, a corporation organized and existing under the laws of P. R. China, having a place of business at ZTE Plaza, Keji Road South, Hi-Tech Industrial Park, Nanshan, Shenzhen, Guangdong 518057, China, hereinafter called the "Assignee", desires to acquire the entire right, title and interest in and to the invention and the patent application identified above, and all patents which may be obtained for said invention, as set forth below;

NOW, THEREFORE, be it known that, for good and valuable consideration the receipt of which by the Assignors from Assignee is hereby acknowledged, the Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer to the Assignee, the entire right, title and interest for the United States in and to the invention and the patent application identified above, and any patents that may issue for said invention in the United States; together with the entire right, title and interest in and to said invention and all patent applications and patents issuing therefrom in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; together with the entire right, title and interest in and to all continuations, divisions, renewals and extensions of any of the patent applications and patents defined above; together with the right to recover all damages, including, but not limited to, a reasonable royalty, by reason of past, present, or future infringement or any other violation of patent or patent application rights; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for all such patents.

The Assignors hereby covenant and agree, for both the Assignors and the Assignors' legal representatives, that the Assignors will assist the Assignee in the prosecution of the patent application identified above; in the making and prosecution of any other patent applications that the Assignee may elect to make covering the invention identified above; in vesting in the Assignee like exclusive title in and to all such other patent applications and patents; and that the Assignors will execute and deliver to the Assignee any and all additional papers which may be requested by the Assignee to carry out the terms of this Assignment.

The Commissioner of Patents and Trademarks is hereby authorized and requested to issue patents to the Assignee in accordance with the terms of this Assignment.

IN TESTIMONY WHEREOF, the Assignors have executed this agreement.

DECLARATION

As the below-named inventor, I hereby declare that:

This Declaration is directed to the attached application. I have reviewed and understand the contents of the above-identified patent application including the claims, and I believe that I am the original inventor or an original joint inventor of a claimed invention in the above-identified patent application. The above-identified patent application was made or authorized to be made by me.

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statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001 and that such willful false statements may jeopardize the validity of the application and any patent issued thereon.

DATE: _____ Yu Ngok LI

DATE: _____ Bo GAO

DATE: _____ Hao WU

DATE: 2020.1.27 Shujuan ZHANG
Shujuan ZHANG

DATE: _____ Chuangxin JIANG

DATE: _____ Huahua XIAO

DATE: _____ Yijian CHEN

DATE: _____ Zhaohua LU