

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT7584779

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
HAO ZHU	09/29/2022
LIN CHEN	09/28/2022
ZIJIANG MA	09/27/2022
TAO QI	09/28/2022
FENG XIE	09/28/2022
YING HUANG	09/28/2022
RECEIVING PARTY DATA	
Name:	ZTE CORPORATION
Street Address:	ZTE PLAZA, KEJI ROAD SOUTH
Internal Address:	HI-TECH INDUSTRIAL PARK, NANSHAN
City:	SHENZHEN
State/Country:	CHINA
Postal Code:	518057
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	17963731
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>	
Email:	usassignments@crowell.com, ZTEBrinks@crowell.com, jcheng@crowell.com, modonnell@crowell.com
Correspondent Name:	JUN CHENG
Address Line 1:	PO BOX 10395
Address Line 4:	CHICAGO, ILLINOIS 60610
ATTORNEY DOCKET NUMBER:	516883.5000856
NAME OF SUBMITTER:	JUN CHENG
SIGNATURE:	/Jun Cheng/
DATE SIGNED:	10/11/2022

Total Attachments: 6

source=16883-856_Assignment_signed#page1.tif

source=16883-856_Assignment_signed#page2.tif

source=16883-856_Assignment_signed#page3.tif

source=16883-856_Assignment_signed#page4.tif

source=16883-856_Assignment_signed#page5.tif

source=16883-856_Assignment_signed#page6.tif

ASSIGNMENT

WHEREAS, Hao ZHU, Lin CHEN, Zijiang MA, Tao QI, Feng XIE, and Ying HUANG, the "Assignors", have made the invention described in the international patent application entitled METHODS AND DEVICES FOR SELECTING RADIO BEARER MODE FOR MULTICAST BROADCAST SERVICES, for a full description of which reference is here made to an international application filed on April 13, 2020 and assigned International Application No. PCT/CN2020/084419;

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

NOW, THEREFORE, in consideration of valuable and legally sufficient consideration, the receipt of which by the Assignors from the Assignee is acknowledged, the Assignors have sold, assigned and transferred, and by these presents sell, assign and transfer to the Assignee, the entire right, title and interest for the United States in the invention and the patent application identified above, and any patents that may issue for the invention in the United States; with the entire right, title and interest in the 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; with the entire right, title and interest in all continuations, divisions, renewals and extensions of any of the patent applications and patents defined above; 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 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 sell, assign, and transfer the entire right, title and interest to the Assignee as of the day of filing the application identified above.

The Assignors 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 exclusive title in all such other patent applications and patents; and that the Assignors will execute and deliver to the Assignee 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 authorized and requested to issue patents to the Assignee under the terms of this Assignment.

IN TESTIMONY WHEREOF, the Assignors have executed this agreement.

DATED:	<u>Sep. 29, 2022</u>	<u>Hao ZHU</u> Hao ZHU
DATED:	<u></u>	<u>Lin CHEN</u>
DATED:	<u></u>	<u>Zijiang MA</u>
DATED:	<u></u>	<u>Tao QI</u>
DATED:	<u></u>	<u>Feng XIE</u>
DATED:	<u></u>	<u>Ying HUANG</u>

ASSIGNMENT

WHEREAS, Hao ZHU, Lin CHEN, Zijiang MA, Tao QI, Feng XIE, and Ying HUANG, the "Assignors", have made the invention described in the international patent application entitled METHODS AND DEVICES FOR SELECTING RADIO BEARER MODE FOR MULTICAST BROADCAST SERVICES, for a full description of which reference is here made to an international application filed on April 13, 2020 and assigned International Application No. PCT/CN2020/084419;

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

NOW, THEREFORE, in consideration of valuable and legally sufficient consideration, the receipt of which by the Assignors from the Assignee is acknowledged, the Assignors have sold, assigned and transferred, and by these presents sell, assign and transfer to the Assignee, the entire right, title and interest for the United States in the invention and the patent application identified above, and any patents that may issue for the invention in the United States; with the entire right, title and interest in the 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; with the entire right, title and interest in all continuations, divisions, renewals and extensions of any of the patent applications and patents defined above; 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 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 sell, assign, and transfer the entire right, title and interest to the Assignee as of the day of filing the application identified above.

The Assignors 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 exclusive title in all such other patent applications and patents; and that the Assignors will execute and deliver to the Assignee 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 authorized and requested to issue patents to the Assignee under the terms of this Assignment.

IN TESTIMONY WHEREOF, the Assignors have executed this agreement.

DATED:	_____	_____
		Hao ZHU
DATED:	_____	_____
		Lin CHEN
DATED:	2022-09-27	Zijiang Ma
		Zijiang MA
DATED:	_____	_____
		Tao QI
DATED:	_____	_____
		Feng XIE
DATED:	_____	_____
		Ying HUANG

ASSIGNMENT

WHEREAS, Hao ZHU, Lin CHEN, Zijiang MA, Tao QI, Feng XIE, and Ying HUANG, the "Assignors", have made the invention described in the international patent application entitled METHODS AND DEVICES FOR SELECTING RADIO BEARER MODE FOR MULTICAST BROADCAST SERVICES, for a full description of which reference is here made to an international application filed on April 13, 2020 and assigned International Application No. PCT/CN2020/084419;

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

NOW, THEREFORE, in consideration of valuable and legally sufficient consideration, the receipt of which by the Assignors from the Assignee is acknowledged, the Assignors have sold, assigned and transferred, and by these presents sell, assign and transfer to the Assignee, the entire right, title and interest for the United States in the invention and the patent application identified above, and any patents that may issue for the invention in the United States; with the entire right, title and interest in the 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; with the entire right, title and interest in all continuations, divisions, renewals and extensions of any of the patent applications and patents defined above; 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 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 sell, assign, and transfer the entire right, title and interest to the Assignee as of the day of filing the application identified above.

The Assignors 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 exclusive title in all such other patent applications and patents; and that the Assignors will execute and deliver to the Assignee 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 authorized and requested to issue patents to the Assignee under the terms of this Assignment.

IN TESTIMONY WHEREOF, the Assignors have executed this agreement.

DATED:	_____	_____
		Hao ZHU
DATED:	<u>2022/9/28</u>	<u>Lin CHEN</u>
		Lin CHEN
DATED:	_____	_____
		Zijiang MA
DATED:	<u>2022/09/28</u>	<u>Tao QI</u>
		Tao QI
DATED:	<u>2022/9/28</u>	<u>Feng XIE</u>
		Feng XIE
DATED:	<u>2022/9/28</u>	<u>Ying HUANG</u>
		Ying HUANG