

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT6500647

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
HONGZHANG YANG	01/08/2021
YAOFENG TU	01/08/2021
GUIHAI CHEN	01/08/2021
BIN GUO	01/08/2021
ZHENJIANG HUANG	01/08/2021
HONG GAO	01/08/2021
BINGYANG LI	01/08/2021
JUNJIE JIANG	01/08/2021
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ZTE CORPORATION
<b>Street Address:</b>	ZTE PLAZA, KEJI ROAD SOUTH
<b>Internal Address:</b>	HI-TECH INDUSTRIAL PARK, NANSHAN DISTRICT
<b>City:</b>	SHENZHEN, GUANGDONG
<b>State/Country:</b>	CHINA
<b>Postal Code:</b>	518057
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	17260996
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>	
<b>Phone:</b>	(972) 370-7997
<b>Email:</b>	charles_ho@barron-young.com
<b>Correspondent Name:</b>	BYIP LTD.
<b>Address Line 1:</b>	5700 GRANITE PARKWAY, SUITE 200
<b>Address Line 4:</b>	PLANO, TEXAS 75024
<b>ATTORNEY DOCKET NUMBER:</b>	YUHONG-21002-USPT
<b>NAME OF SUBMITTER:</b>	CHARLES HO

<b>SIGNATURE:</b>	/Charles Ho/
<b>DATE SIGNED:</b>	01/18/2021
<b>Total Attachments: 8</b> source=Executed assignment#page1.tif source=Executed assignment#page2.tif source=Executed assignment#page3.tif source=Executed assignment#page4.tif source=Executed assignment#page5.tif source=Executed assignment#page6.tif source=Executed assignment#page7.tif source=Executed assignment#page8.tif	

**转让证明**  
**ASSIGNMENT**

代理人档案号(限 12 个字符内): Agent's file reference: (12 characters maximum)	<b><u>YUHONG-21002-USPT</u></b>
国际申请号: International application number:	PCT/CN2019/096324
国际申请日: International filing date:	July 17, 2019

鉴于壹圆人民币以及其他有益且充分的考虑, 本人特此将上述国际申请和在此国际申请中所公开的本发明创造, 以及要求此国际申请有关权利的任何接续申请或分案申请, 以及要求此国际申请优先权的任何外国申请的所有权益转让给

In consideration of One Chinese RMB and other good and sufficient consideration, I hereby assign my interest in the above-identified international patent application and the invention disclosed therein, and any continuation or divisional application claiming the benefit therefrom, and any foreign patent application claiming priority therefrom,

to ZTE CORPORATION

其位于

having an address at ZTE Plaza, Keji Road South, Hi-Tech Industrial Park, Nanshan District, Shenzhen, Guangdong 518057 China

本人授权代理人在得知本案国际申请号及国际申请日后将其填入上方。

I authorize the agent to insert the international application number and international filing date above when they are known.

发明人签字  
Inventor's signature

*Hongzhang Yang*



发明人全名 杨洪章  
Printed inventor's Name

**Hongzhang Yang**

日期  
Date signed

*January 8, 2021*

**转让证明**  
**ASSIGNMENT**

代理人档案号(限 12 个字符内): Agent's file reference: (12 characters maximum)	<b><u>YUHONG-21002-USPT</u></b>
国际申请号: International application number:	PCT/CN2019/096324
国际申请日: International filing date:	July 17, 2019
<p>鉴于壹圆人民币以及其他有益且充分的考虑, 本人特此将上述国际申请和在此国际申请中所公开的本发明创造, 以及要求此国际申请有关权利的任何接续申请或分案申请, 以及要求此国际申请优先权的任何外国申请的所有权益转让给</p> <p>In consideration of One Chinese RMB and other good and sufficient consideration, I hereby assign my interest in the above-identified international patent application and the invention disclosed therein, and any continuation or divisional application claiming the benefit therefrom, and any foreign patent application claiming priority therefrom,</p> <p>to <u>ZTE CORPORATION</u></p> <p>其位于</p> <p>having an address at <u>ZTE Plaza, Keji Road South, Hi-Tech Industrial Park, Nanshan District, Shenzhen, Guangdong 518057 China</u></p> <p>本人授权代理人在得知本案国际申请号及国际申请日后将其填入上方。</p> <p>I authorize the agent to insert the international application number and international filing date above when they are known.</p>	
发明人签字 Inventor's signature	
发明人全名 屠要峰 Printed inventor's Name	<b>Yaofeng Tu</b>
日期 Date signed	

{YUHONG-21002-USPT/01279137v1}

**转让证明**  
**ASSIGNMENT**

代理人档案号(限12个字符内): Agent's file reference: (12 characters maximum)	<b><u>YUHONG-21002-USPT</u></b>
国际申请号: International application number:	PCT/CN2019/096324
国际申请日: International filing date:	July 17, 2019

鉴于壹圆人民币以及其他有益且充分的考虑, 本人特此将上述国际申请和在此国际申请中所公开的本发明创造, 以及要求此国际申请有关权利的任何接续申请或分案申请, 以及要求此国际申请优先权的任何外国申请的所有权益转让给

In consideration of One Chinese RMB and other good and sufficient consideration, I hereby assign my interest in the above-identified international patent application and the invention disclosed therein, and any continuation or divisional application claiming the benefit therefrom, and any foreign patent application claiming priority therefrom,

to ZTE CORPORATION

其位于

having an address at ZTE Plaza, Keji Road South, Hi-Tech Industrial Park, Nanshan District, Shenzhen, Guangdong 518057 China

本人授权代理人在得知本案国际申请号及国际申请日后将其填入上方。

I authorize the agent to insert the international application number and international filing date above when they are known.

发明人签字  
Inventor's signature *Guihai Chen*

发明人全名 陈贵海  
Printed inventor's Name **Guihai Chen**

日期  
Date signed *January 8, 2021*

**转让证明**  
**ASSIGNMENT**

代理人档案号(限12个字符内): Agent's file reference: (12 characters maximum)	<b><u>YUHONG-21002-USPT</u></b>
国际申请号: International application number:	PCT/CN2019/096324
国际申请日: International filing date:	July 17, 2019

鉴于壹圆人民币以及其他有益且充分的考虑, 本人特此将上述国际申请和在此国际申请中所公开的本发明创造, 以及要求此国际申请有关权利的任何接续申请或分案申请, 以及要求此国际申请优先权的任何外国申请的所有权益转让给

In consideration of One Chinese RMB and other good and sufficient consideration, I hereby assign my interest in the above-identified international patent application and the invention disclosed therein, and any continuation or divisional application claiming the benefit therefrom, and any foreign patent application claiming priority therefrom,

to ZTE CORPORATION

其位于

having an address at ZTE Plaza, Keji Road South, Hi-Tech Industrial Park, Nanshan District, Shenzhen, Guangdong 518057 China

本人授权代理人在得知本案国际申请号及国际申请日后将其填入上方。

I authorize the agent to insert the international application number and international filing date above when they are known.

发明人签字  
Inventor's signature Bin Guo

发明人全名 郭斌  
Printed inventor's Name **Bin Guo**

日期  
Date signed January 8, 2021

**转让证明**  
**ASSIGNMENT**

代理人档案号(限12个字符内): Agent's file reference: (12 characters maximum)	<b><u>YUHONG-21002-USPT</u></b>
国际申请号: International application number:	PCT/CN2019/096324
国际申请日: International filing date:	July 17, 2019

鉴于壹圆人民币以及其他有益且充分的考虑, 本人特此将上述国际申请和在此国际申请中所公开的本发明创造, 以及要求此国际申请有关权利的任何接续申请或分案申请, 以及要求此国际申请优先权的任何外国申请的所有权益转让给

In consideration of One Chinese RMB and other good and sufficient consideration, I hereby assign my interest in the above-identified international patent application and the invention disclosed therein, and any continuation or divisional application claiming the benefit therefrom, and any foreign patent application claiming priority therefrom,

to ZTE CORPORATION

其位于

having an address at ZTE Plaza, Keji Road South, Hi-Tech Industrial Park, Nanshan District, Shenzhen, Guangdong 518057 China

本人授权代理人在得知本案国际申请号及国际申请日后将其填入上方。

I authorize the agent to insert the international application number and international filing date above when they are known.

发明人签字

Inventor's signature Zhenjiang Huang

发明人全名 黄震江

Printed inventor's Name **Zhenjiang Huang**

日期

Date signed January 8, 2021

**转让证明**  
**ASSIGNMENT**

代理人档案号(限12个字符内): Agent's file reference: (12 characters maximum)	<b><u>YUHONG-21002-USPT</u></b>
国际申请号: International application number:	PCT/CN2019/096324
国际申请日: International filing date:	July 17, 2019
<p>鉴于壹圆人民币以及其他有益且充分的考虑, 本人特此将上述国际申请和在此国际申请中所公开的本发明创造, 以及要求此国际申请有关权利的任何接续申请或分案申请, 以及要求此国际申请优先权的任何外国申请的所有权益转让给</p> <p>In consideration of One Chinese RMB and other good and sufficient consideration, I hereby assign my interest in the above-identified international patent application and the invention disclosed therein, and any continuation or divisional application claiming the benefit therefrom, and any foreign patent application claiming priority therefrom,</p> <p>to <u>ZTE CORPORATION</u></p> <p>其位于</p> <p>having an address at <u>ZTE Plaza, Keji Road South, Hi-Tech Industrial Park, Nanshan District, Shenzhen, Guangdong 518057 China</u></p> <p>本人授权代理人在得知本案国际申请号及国际申请日后将其填入上方。</p> <p>I authorize the agent to insert the international application number and international filing date above when they are known.</p>	
发明人签字 Inventor's signature	<i>Hong Gao</i>
发明人全名 高洪 Printed inventor's Name	<b>Hong Gao</b>
日期 Date signed	<i>January 8, 2021</i>

{YUHONG-21002-USPT/01279137v1}



**转让证明**  
**ASSIGNMENT**

代理人档案号(限12个字符内): Agent's file reference: (12 characters maximum)	<b><u>YUHONG-21002-USPT</u></b>
国际申请号: International application number:	PCT/CN2019/096324
国际申请日: International filing date:	July 17, 2019

鉴于壹圆人民币以及其他有益且充分的考虑, 本人特此将上述国际申请和在此国际申请中所公开的本发明创造, 以及要求此国际申请有关权利的任何接续申请或分案申请, 以及要求此国际申请优先权的任何外国申请的所有权益转让给

In consideration of One Chinese RMB and other good and sufficient consideration, I hereby assign my interest in the above-identified international patent application and the invention disclosed therein, and any continuation or divisional application claiming the benefit therefrom, and any foreign patent application claiming priority therefrom,

to ZTE CORPORATION

其位于

having an address at ZTE Plaza, Keji Road South, Hi-Tech Industrial Park, Nanshan District, Shenzhen, Guangdong 518057 China

本人授权代理人在得知本案国际申请号及国际申请日后将其填入上方。

I authorize the agent to insert the international application number and international filing date above when they are known.

发明人签字

Inventor's signature

*Bingyang Li*

发明人全名 李丙洋

Printed inventor's Name

**Bingyang Li**

日期

Date signed

*January 8, 2021*

**转让证明**  
**ASSIGNMENT**

代理人档案号(限12个字符内): Agent's file reference: (12 characters maximum)	<b><u>YUHONG-21002-USPT</u></b>
国际申请号: International application number:	PCT/CN2019/096324
国际申请日: International filing date:	July 17, 2019

鉴于壹圆人民币以及其他有益且充分的考虑, 本人特此将上述国际申请和在此国际申请中所公开的本发明创造, 以及要求此国际申请有关权利的任何接续申请或分案申请, 以及要求此国际申请优先权的任何外国申请的所有权益转让给

In consideration of One Chinese RMB and other good and sufficient consideration, I hereby assign my interest in the above-identified international patent application and the invention disclosed therein, and any continuation or divisional application claiming the benefit therefrom, and any foreign patent application claiming priority therefrom,

to ZTE CORPORATION

其位于

having an address at ZTE Plaza, Keji Road South, Hi-Tech Industrial Park, Nanshan District, Shenzhen, Guangdong 518057 China

本人授权代理人在得知本案国际申请号及国际申请日后将其填入上方。

I authorize the agent to insert the international application number and international filing date above when they are known.

发明人签字

Inventor's signature

*Junjie Jiang*

发明人全名 江俊杰

Printed inventor's Name

**Junjie Jiang**

日期

Date signed

*January 8, 2021*

{YUHONG-21002-USPT/01279137v1}