504467486 07/21/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4514188

06/21/2017

06/21/2017

SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	ASSIGNMENT	ASSIGNMENT	
CONVEYING PARTY DATA			
	Name	Execution Date	
XING LIU		06/21/2017	
FENG XIE		06/21/2017	
TING MIAO		06/21/2017	

YIN GAO

FENG BI

RECEIVING PARTY DATA

Name:	ZTE CORPORATION
Street Address:	ZTE PLAZA, KEJI ROAD SOUTH, HI-TECH INDUSTRIAL PARK, NANSHAN DISTRICT
City:	SHENZHEN CITY, GUANGDONG
State/Country:	CHINA
Postal Code:	518057

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15545158

CORRESPONDENCE DATA

Fax Number:(248)358-3351Correspondence 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:	248-3	358-4400	
Email:	dgrei	greig@brookskushman.com	
Correspondent Name:	nt Name: BROOKS KUSHMAN P.C.		
Address Line 1:	1000 TOWN CENTER, TWENTY-SECOND FLOOR		
Address Line 4:	SOUTHFIELD, MICHIGAN 48075		
ATTORNEY DOCKET NUMBER:		AFD0432PUSA	
NAME OF SUBMITTER:		JEFFREY M. SZUMA	
SIGNATURE:		/Jeffrey M. Szuma/	

07/20/2017

DATE SIGNED:

Total Attachments: 5

source=AFD0432PUSA_Assignment#page1.tif

source=AFD0432PUSA_Assignment#page2.tif
source=AFD0432PUSA_Assignment#page3.tif
source=AFD0432PUSA_Assignment#page4.tif
source=AFD0432PUSA_Assignment#page5.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)	AFD0432PUSA	
国际申请号: International application number:	PCT/CN2015/093801	
国际申请日; International filing date:	2015-11-4	
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		
	international patent application and the invention disclosed visional application claiming the benefit therefrom, and any	
foreign patent application claiming	priority therefrom,	
toZTE (CORPORATION	
其位于	Ciper - Marian	
having an address at ZTE Plaza,	Keji Road South, Hi-Tech Industrial Park, Nanshan, 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 I 签字 Inventor's signature LIU, X	ing	
发明人 I 全名 Printed inventor's Name LIU,	Xing	
日期 Date signed 2017-	-6-21	

	转让证明 ASSIGNMENT
代理人档案号(限12个字符内): Agent's file reference: (12 characters maximum)	AFD0432PUSA
国际中请号: International application number:	PCT/CN2015/093801
国际申请日: International filing date:	2015-11-4
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
my interest in the above-identified	MB and other good and sufficient consideration, I hereby assign international patent application and the invention disclosed visional application claiming the benefit therefrom, and any priority therefrom,
toZTE	CORPORATION
其位于	tta and a star a sta Tara a star a
having an address at ZTE Plaza	, Keji Road South, Hi-Tech Industrial Park, Nanshan, 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 in above when they are known.	nternational application number and international filing date
发明人 II 签字 Inventor's signature XIZ,	, Zeng
发明人Ⅱ全名	Feng
日期 Date signed 2017	-6-21

2

转让证明 ASSIGNMENT

代理人档案号(限12个字符内): Agent's file reference: (12 characters maximum)	AFD0432PUSA		······································
国际申请号: International application number:	PCT/CN2015/093801		
国际申请日: International filing date:	2015-11-4	÷ 1	

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		1. Na 2	
having an add	iress at ZTE Plaza	, Keji Road South, Hi-Tech Indu	strial Park, Nanshan, Shenzhen,
Guangdong 5	18057 China.		
I authorize th		申请号及国际申请日后将其填 mernational application number a	

્રે સ્વેટ જે રાષ્ટ્રિંગ્સ્ટી ઉદ્યોગ્સ્ટી

发明人Ⅲ签字 Inventor's signature	MIAO, Ting		
发明人田全名 Printed inventor's Name	MIAO, Ting		
日期 Date signed	2017-6-21	in the second	

转让证明	
ASSIGNMENT	Ē

代理人档案号(限 12 个字符内): Agent's file reference: (12 characters maximum)	AFD0432PUSA
国际申请号: International application number:	PCT/CN2015/093801
国际申请日: International filing date:	2015-11-4
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,

ZTE CORPORATION

to____ 其位于

having an address at ZTE Plaza, Keji Road South, Hi-Tech Industrial Park, Nanshan, 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IV签字 Inventor's signature	Qto Yin	
发明人Ⅳ全名 Printed inventor's Name	GAO, Yin	
日 期 Date signed	2017-6-21	

转让证明 ASSIGNMENT		
代理人档案号(限12个字符内): Agent's file reference: (12 characters maximum)	AFD0432PUSA	
国际中请号: International application number	r: PCT/CN2015/093801	
国际中请日: International filing date:	2015-11-4	
	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 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 请的所有权益转让给	
therein, and any continuation or foreign patent application claim	ed international patent application and the invention disclosed divisional application claiming the benefit therefrom, and any ing priority therefrom, TE CORPORATION	
其位于	nza, Keji Road South, Hi-Tech Industrial Park, Nanshan, Shenzhen,	
Guangdong 518057 China .	and the sound the sound the sound of the sou	
	际申请号及国际申请日后将其填入上方。 e international application number and international filing date	
发明人V签字 Inventor's signature B	I, Feng	
发明人义全名	I, Feng	
日期 Date signed 20	017-6-21	

ć.