505177059 11/06/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5223827

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
XIAOGANG HAN	07/28/2015
BO DAI	08/18/2015
SHUQIANG XIA	07/28/2015
WEI GOU	07/28/2015
ZHAOHUA LU	09/18/2015
ZHISONG ZUO	09/17/2018

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14764241

CORRESPONDENCE DATA

Fax Number: (860)286-0115

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: (860) 286-2929

Email: USPTOPatentMail@cantorcolburn.com

Correspondent Name: CANTOR COLBURN LLP-NAME: ZTE CORPORATION

Address Line 1: 20 CHURCH ST, 22ND FLOOR
Address Line 4: HARTFORD, CONNECTICUT 06103

ATTORNEY DOCKET NUMBER:	KPC0261US
NAME OF SUBMITTER:	PATRICK S. GRIFFIN, ESQ.
SIGNATURE:	/Patrick S. Griffin, Esq./
DATE SIGNED:	11/06/2018

PATENT 505177059 REEL: 047421 FRAME: 0384

Total Attachments: 6 source=86F7307#page1.tif source=86F7307#page2.tif source=86F7307#page3.tif source=86F7307#page4.tif source=86F7307#page5.tif source=86F7307#page6.tif

PATENT REEL: 047421 FRAME: 0385

转让证明		
	ASSIGNMENT	
代理人档案号(限12个字符内):		
Agent's file reference: (12 characters maximum)		
国际申请号: International application number:	PCT/CN2013/090096	
国际申请日: International filing date:	2013-12-20	
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		
, , ,	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.		
发明人签字 Inventor's signature HAN, Xiao gong		
发明人全名 Printed inventor's Name HAN, Xiaogang		
日期 Date signed 2015-07-28		

N. 1. (a) 20 20 20 20 20 20 20 20 20 20 20 20 20	and the second of the second o
	转让证明
	ASSIGNMENT
代理人档案号(限12个字符件	7).
Agent's file reference: (12 characters maximum)	y.
国际申请号: .International application num	PCT/CN2013/090096
国际申请日: International filing date:	2013-12-20
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-identi	se RMB and other good and sufficient consideration, I hereby assign ified international patent application and the invention disclosed or divisional application claiming the benefit therefrom, and any ming priority therefrom,
to 2	TE CORPORATION
其位于	
having an address at ZTE F	laza, 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 tabove when they are known.	he international application number and international filing date
发明人签字 Inventor's signature	, Bo
发明人全名 Printed inventor's Name DAI	, Во
日期 Date signed つり	5 - 8-18

1

特让证明 ASSIGNMENT		
代理人档案号(限12个字符内): Agent's file reference: (12 characters maximum)		
国际申请号: International application number:	PCT/CN2013/090096	
国际申请日: International filing date:	2013-12-20	
鉴于查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 in	MB and other good and sufficient consideration, I hereby assign international patent application and the invention disclosed isional application claiming the benefit therefrom, and any priority therefrom,	
to ZTE CORPORATION		
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.		
发明人签字 Inventor's signature XIA, S	haging	
发明人全名 Printed inventor's Name XIA,Shu	qiang	
日期 Date signed 2015-7-28		

转让证明	
	ASSIGNMENT
/上面 / Lb 由 星/四 (A 大声 (上).	
代理人档案号(限 12 个字符内): Agent's file reference:	
(12 characters maximum)	
国际申请号:	PCT/CN2013/090096
International application number:	
国际申请日:	2013-12-20
International filing date:	
鉴于壹圓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	的所有权益转让给
In consideration of One Chinese RN	1B and other good and sufficient consideration, I hereby assign
	nternational patent application and the invention disclosed
un der Berunderter (in texture et till i i i i i i i i i i i i i i i i i	isional application claiming the benefit therefrom, and any
foreign patent application claiming	priority therefrom,
to ZTE C	ORPORATION
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 int	ernational application number and international filing date
above when they are known.	
发明人签字 Inventor's signature GOU, Wei	
发明人全名 Printed inventor's Name GOU, Wei	
日期 Date signed 2015-7-28	

转让证明		
ASSIGNMENT		
代理人档案号(限12个字符内):		
Agent's file reference: (12 characters maximum)		
国际申请号: International application number:	PCT/CN2013/090096	
国际申请日: International filing date:	2013#12-20	
鉴于查园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, 以及要求此题	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	5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,		
toZTE CORPORATION		
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策国际申	市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	U, Zhaohua	
发明人全名 Printed inventor's Name LU、Zhaohua		
日期 Date signed	2159.18	

ŧ

PATENT REEL: 047421 FRAME: 0390

转让证明 ASSIGNMENT	
国际申请号: International application number:	PCT/CN2013/090096
国际申请日: International filing date;	2013-12-20
	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 国际申请有关权利的任何接续申请或分策申请,以及要求此
国际申请优先权的任何外国申请的	
my interest in the above-identified in	IB and other good and sufficient consideration, I hereby assign international patent application and the invention disclosed sional application claiming the benefit therefrom, and any priority therefrom,
to ZTE C	ORPORATION
其位于 having an address at ZTE Plaza, I Guangdong 518057 China.	Keji Road South, Hi-Tech Industrial Park, Nanshan, Shenzhen,
	中请号及国际申请日后将其填入上方。 ernational application number and international filing date
发明人签字 Inventor's signature Z U	o, Zhisong
发明人全名 Printed inventor's Name ZUO, Zhis	J
FIM Date signed 2015.	9. 17

PATENT

REEL: 047421 FRAME: 0391