## 505390830 03/25/2019 PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5437623

SUBMISSION TYPE:		NEW ASSIGNMENT	
NATURE OF CONVEYANCE:		ASSIGNMENT	
CONVEYING PARTY DA	АТА		
		Name	Execution Date
NING JIANG			03/20/2019
RECEIVING PARTY DA	ТА		
Name:	HYTERA COMMUNICATIONS CORPORATION LIMITED		
Street Address:	HYT TOWER, HI-TECH INDUSTRIAL PARK NORTH BEIHUAN ROAD		
Internal Address:	NANSHAN DISTRICT SHENZHEN CITY		
City:	GUANGDONG		
State/Country:	CHINA		
Postal Code:	518057		
PROPERTY NUMBERS Total: 1 Property Type		Number	
Application Number:	1	5812292	
Application number.	! !	JU12292	
CORRESPONDENCE D			
CORRESPONDENCE D	ATA (;	216)241-0816	
CORRESPONDENCE D Fax Number: <i>Correspondence will be</i>	ATA (i e sent to	216)241-0816 t <b>he e-mail address first; if that is unsuc</b> d	
CORRESPONDENCE D Fax Number: <i>Correspondence will be</i> <i>using a fax number, if p</i>	ATA (i e sent to provided;	216)241-0816	
CORRESPONDENCE D Fax Number: <i>Correspondence will be</i>	ATA (: e sent to provided; 2	216)241-0816 the e-mail address first; if that is unsucc if that is unsuccessful, it will be sent via	a US Mail.
CORRESPONDENCE D Fax Number: <i>Correspondence will be using a fax number, if p</i> Phone: Email: Correspondent Name:	ATA e sent to provided; 2 if	216)241-0816 the e-mail address first; if that is unsucc if that is unsuccessful, it will be sent via 16.622.8432 bdocket@calfee.com, mgillette@calfee.com IZHOU LIU	a US Mail.
CORRESPONDENCE D Fax Number: <i>Correspondence will be</i> <i>using a fax number, if p</i> Phone: Email: Correspondent Name: Address Line 1:	ATA (i e sent to provided; 2 iµ Y	216)241-0816 the e-mail address first; if that is unsuce if that is unsuccessful, it will be sent via 16.622.8432 bdocket@calfee.com, mgillette@calfee.con IZHOU LIU ALFEE, HALTER & GRISWOLD LLP	a US Mail.
CORRESPONDENCE D Fax Number: <i>Correspondence will be using a fax number, if p</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 2:	ATA e sent to provided; 2 if Y C	216)241-0816 the e-mail address first; if that is unsuce if that is unsuccessful, it will be sent via 16.622.8432 bdocket@calfee.com, mgillette@calfee.com IZHOU LIU ALFEE, HALTER & GRISWOLD LLP 405 EAST SIXTH STREET	a US Mail.
CORRESPONDENCE D Fax Number: <i>Correspondence will be</i> <i>using a fax number, if p</i> Phone: Email: Correspondent Name: Address Line 1:	ATA e sent to provided; 2 if Y C	216)241-0816 the e-mail address first; if that is unsuce if that is unsuccessful, it will be sent via 16.622.8432 bdocket@calfee.com, mgillette@calfee.con IZHOU LIU ALFEE, HALTER & GRISWOLD LLP	a US Mail.
CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 4:	ATA (; e sent to provided; 2 i i Y 0 1 0	216)241-0816 the e-mail address first; if that is unsuce if that is unsuccessful, it will be sent via 16.622.8432 bdocket@calfee.com, mgillette@calfee.com IZHOU LIU ALFEE, HALTER & GRISWOLD LLP 405 EAST SIXTH STREET	a US Mail.
CORRESPONDENCE D Fax Number: <i>Correspondence will be using a fax number, if p</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 4:	ATA (; e sent to provided; 2 i i Y 0 1 0	216)241-0816 the e-mail address first; if that is unsuce if that is unsuccessful, it will be sent via 16.622.8432 odocket@calfee.com, mgillette@calfee.com IZHOU LIU ALFEE, HALTER & GRISWOLD LLP 405 EAST SIXTH STREET CLEVELAND, OHIO 44114-1607	a US Mail.
CORRESPONDENCE D Fax Number: <i>Correspondence will be using a fax number, if p</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 4: ATTORNEY DOCKET NU	ATA (; e sent to provided; 2 i i Y 0 1 0	216)241-0816 the e-mail address first; if that is unsuce if that is unsuccessful, it will be sent via 16.622.8432 bdocket@calfee.com, mgillette@calfee.com IZHOU LIU ALFEE, HALTER & GRISWOLD LLP 405 EAST SIXTH STREET LEVELAND, OHIO 44114-1607 38140/04008	a US Mail.
CORRESPONDENCE D Fax Number: <i>Correspondence will be using a fax number, if p</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 2:	ATA (; e sent to provided; 2 i i Y 0 1 0	216)241-0816 the e-mail address first; if that is unsuce if that is unsuccessful, it will be sent via 16.622.8432 bdocket@calfee.com, mgillette@calfee.com IZHOU LIU ALFEE, HALTER & GRISWOLD LLP 405 EAST SIXTH STREET LEVELAND, OHIO 44114-1607 38140/04008 YIZHOU LIU	a US Mail.
CORRESPONDENCE D Fax Number: <i>Correspondence will be</i> <i>using a fax number, if p</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 4: ATTORNEY DOCKET NUNAME OF SUBMITTER: SIGNATURE:	ATA (; e sent to provided; 2 i i Y 0 1 0	216)241-0816 the e-mail address first; if that is unsuce if that is unsuccessful, it will be sent via 16.622.8432 bdocket@calfee.com, mgillette@calfee.com IZHOU LIU ALFEE, HALTER & GRISWOLD LLP 405 EAST SIXTH STREET ELEVELAND, OHIO 44114-1607 38140/04008 YIZHOU LIU /Mary Gillette for YIZHOU LIU/	a US Mail.
CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 2: Address Line 4: ATTORNEY DOCKET NU NAME OF SUBMITTER: SIGNATURE: DATE SIGNED: Total Attachments: 3 source=3814004008_1600	ATA (i e sent to provided; 2 i i Y C 1 C 1 C 1 C 1 C 1 C 1 C 2 N 2 S 8 1 C 2 S 8 1 C 2 S 8 1 C 2 S 8 1 C 2 S 8 1 C 2 S 8 1 C 2 S 8 1 C 2 S 8 1 C 2 S 8 1 C 2 S 8 1 C 2 S 8 1 C 2 S 8 1 C 2 S 8 1 C 2 S 8 1 C 2 S 8 1 C 2 S 8 S 8 C 1 C 2 S 8 S 7 S 8 S 8 S 8 S 8 S 8 S 8 S 8 S 8	216)241-0816 the e-mail address first; if that is unsuce if that is unsuccessful, it will be sent via 16.622.8432 odocket@calfee.com, mgillette@calfee.com IZHOU LIU ALFEE, HALTER & GRISWOLD LLP 405 EAST SIXTH STREET ALEVELAND, OHIO 44114-1607 38140/04008 YIZHOU LIU /Mary Gillette for YIZHOU LIU/ 03/25/2019	a US Mail.
CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 2: Address Line 4: ATTORNEY DOCKET NU NAME OF SUBMITTER: SIGNATURE: DATE SIGNED: Total Attachments: 3 source=3814004008_1600	ATA (; e sent to provided; 2 ik ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ?	216)241-0816 the e-mail address first; if that is unsuce if that is unsuccessful, it will be sent via 16.622.8432 odocket@calfee.com, mgillette@calfee.com IZHOU LIU ALFEE, HALTER & GRISWOLD LLP 405 EAST SIXTH STREET LEVELAND, OHIO 44114-1607 38140/04008 YIZHOU LIU /Mary Gillette for YIZHOU LIU/ 03/25/2019	a US Mail.

## ASSIGNMENT

This Assignment is made and entered into by and between Ning Jiang (collectively hereinafter "INVENTORS"). and HYTERA COMMUNICATIONS CORPORATION LIMITED, HYT Tower, Hi-Tech Industrial Park North Beihuan RD., Nanshan District Shenzhen City, Guangdong 518057 (CN) (hereinafter referred to as "ASSIGNEE").

Whereas INVENTORS have invented certain inventions described in a United States patent application titled REALIZATION METHOD AND APPARATUS FOR OPERATION FUNCTION IN INTERPHONE, AND INTERPHONE TERMINAL, US Patent Application No. 15/812,292, filed November 14, 2017, and have executed the patent application therefor;

Whereas, ASSIGNEE desires to acquire the entire right, title and interest in said applications and inventions, and to any United States and foreign patents to be obtained therefor; and

Now, Therefore, for good and valuable consideration, receipt of which is hereby acknowledged:

1. INVENTORS hereby sell, assign, and transfer to ASSIGNEE, its successors and assigns, the entire right, title and interest, so far as concerns the United States and the Territories and Possessions thereof and all foreign countries, in and to the inventions set forth in said applications including the application for United States Letters Patent executed by the INVENTORS, said applications including said application for United States Letters Patent executed by the UNENTORS, said applications including said application for United States Letters Patent, any and all other applications for Letters Patent on said inventions in the United States and in countries foreign to the United States, including all divisional, renewal, extension reexamination, substitute, continuation, continuation-in-part, reissue, and Convention applications based in whole or in part upon said inventions or upon said applications, and any and all Letters Patent and reissues and extension of Letters Patent granted for said inventions or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said applications and said Letters Patent.

2. ASSIGNEE is hereby authorized to file patent applications in any or all countries on any or all said inventions in the name of the INVENTORS or in the name of

{04634530.DOC,1 }

1

ASSIGNEE or otherwise as ASSIGNEE may deem advisable, under the International Convention or otherwise.

 The Commissioner of Patents of the United States of America and the empowered officials of all other governments are hereby authorized to issue or transfer all said Letters Patent to ASSIGNEE in accordance herewith.

4. This Assignment is being made under covenant, not only that full power to make the same is had by the INVENTORS, but also that, at the time of execution of this Assignment, such assigned right is not encumbered by any grant, license, governmental restriction, or other right heretofore given.

5. The INVENTORS agree that they will do all acts reasonably serving to assure that said inventions, patent applications and Letters Patent shall be held and enjoyed by ASSIGNEE as fully and entirely as the same could have been held and enjoyed by the INVENTORS if this Assignment had not been made, and particularly to execute and deliver to ASSIGNEE all lawful documents including petitions, specifications, oaths, assignments, invention disclaimers, lawful affidavits, and declarations in form and in substance which may be requested by ASSIGNEE, to furnish ASSIGNEE with all facts relating to said inventions or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may be useful for establishing the facts of conception, disclosure and reduction to practice of said inventions, and to testify in any proceedings relating to said inventions, patent applications and Letters Patent.

 INVENTORS agree that this Assignment shall be construed in accordance with the laws and courts of Ohio. INVENTORS hereby also agree to submit to the jurisdiction of any Ohio court.

7. INVENTORS acknowledge and understand that the law firm of Calfee, Halter & Griswold LLP and its attorneys represent ASSIGNEE and INVENTORS acknowledge and understand that they are not the client of Calfee, Halter & Griswold, LLP.

8. INVENTORS acknowledge and understand that they have the opportunity to consult with independent legal counsel prior to executing this Assignment.

(04634530 DOC,1 )

PATENT REEL: 048683 FRAME: 0350

2

9. INVENTORS hereby request that ASSIGNEE or its counsel enter or correct the date(s) of execution of the afore-referenced Patent Application(s), and enter or correct the Application Serial Numbers if available, prior to recording this assignment, to have the same effect as if entered prior to execution of this Assignment.

Signature:

Ning Jiang

w19. v. v.

{04634530.DOC;1 }

**RECORDED: 03/25/2019** 

## PATENT REEL: 048683 FRAME: 0351