PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

1.1 EPAS ID: PAT4301636

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
WENFEI WU	02/13/2017
ZHIHUA WU	02/13/2017
XIULU JIN	02/13/2017
SIQIN FENG	02/12/2017

RECEIVING PARTY DATA

Name:	HUIZHOU TCL MOBILE COMMUNICATION CO., LTD
Street Address:	NO. 86, HECHANG 7TH WEST ROAD
Internal Address:	ZHONG KAI HI-TECH DEVELOPMENT DISTRICT
City:	HUI ZHOU
State/Country:	CHINA
Postal Code:	516006

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15508589

CORRESPONDENCE DATA

Fax Number: (949)788-9969

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: 9497889961

Email: patents@shimokaji.com

Correspondent Name: SHIMOKAJI & ASSOCIATES, P.C.

Address Line 1: 8911 RESEARCH DRIVE Address Line 4: IRVINE, CALIFORNIA 92618

ATTORNEY DOCKET NUMBER:	P15766 (277-0218PCT-US)
NAME OF SUBMITTER:	DANIEL M. NORTHFIELD
SIGNATURE:	/Daniel M. Northfield/
DATE SIGNED:	03/03/2017
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 8

PATENT REEL: 041458 FRAME: 0855

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PATENT REEL: 041458 FRAME: 0856

WHEREAS, the undersigned inventor(s) (hereinafter individually and collectively referred to as "ASSIGNOR") has/have invented:

METHOD AND SYSTEM FOR IMPROVING ECHO IN HANDS-FREE CALL OF MOBILE TERMINAL

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for which app	lication for Letters Pat	ent of the United	l States:	
X has beer	n executed on even da	ite herewith;		
was exe	cuted on	;		
was filed	l on	and as	ssigned U.S. Application N	10.
	;			
AND	WHEREAS, HUIZHOL	J TCL MOBILE	COMMUNICATION CO.,	LTD a corpora

(hereinafter "the invention") for which application for Letters Patent of the United States:

AND WHEREAS, HUIZHOU TCL MOBILE COMMUNICATION CO., LTD a corporation having a place of business at NO. 86, Hechang 7TH West Road, Zhong Kai Hi-tech Development District, Hui Zhou, Guang Dong, P.R.CHINA, 516006 (hereinafter "ASSIGNEE"), and successors, assigns, and legal representatives, is desirous of acquiring the entire right, title, and interest therein;

AND WHEREAS, a "formal application," as referred to herein, shall mean any provisional, nonprovisional, continuation, continuation in part, continued prosecution, substitute, renewal, extension, divisional, reissue, reexamination, foreign, Patent Cooperation Treaty (PCT) or other patent application, inventor's certificate, utility model, or like document;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR does hereby sell, assign and transfer unto ASSIGNEE, its successors, assigns, and legal representatives, the entire right, title and interest in and to the aforesaid application, to the invention as described in the aforesaid application, and to any formal application which may be filed based in whole or in part on the aforesaid application, in the United States and all foreign countries, together with the right of priority under any international conventions, treaties and/or agreements to which the United States currently adheres and adheres to in the future, and hereby authorizes and requests the Commissioner of Patents to issue said Letters Patent to ASSIGNEE, for the sole use and benefit of ASSIGNEE, its successors, assigns, and legal representatives;

AND ASSIGNOR authorizes ASSIGNEE, its successors, assigns, and legal representatives, or anyone it may properly designate, to apply for Letters Patent, in its own name if desired, in any and all foreign countries, and additionally to claim the filing date of aforesaid application and/or otherwise take advantage of the provisions of any international convention, treaty and/or agreement;

Page 1 of 2

United States Patent Application P15766 (277-0218PCT-US)

AND ASSIGNOR FURTHERMORE authorizes ASSIGNEE, its successors, assigns, and legal representatives, or anyone it may properly designate, to insert in this instrument the filing date and/or serial number of said application when ascertained;

AND ASSIGNOR AGREEING, FURTHERMORE, upon request of ASSIGNEE, and without further remuneration, but at no expense to ASSIGNOR, that ASSIGNOR or ASSIGNOR'S executors or administrators will provide all reasonable assistance to obtain, maintain, and assert the fullest measure of legal protection that ASSIGNEE desires to obtain or assert for the invention, any related inventions, any formal application based thereon, and any resulting patents, including executing any and all papers desired by ASSIGNEE for the filing and granting of formal applications, the perfecting of title in ASSIGNEE, and in enforcing any rights in the invention, any related inventions, and any formal application or patent based thereon.

If any provision of this assignment is held by any court to be unenforceable, such provision shall be interpreted to accomplish the objectives of the original provision to the fullest extent allowed by law and the remainder of this assignment shall remain in full force and effect.

EXECUTED as of the date(s) written below by ASSIGNOR:

WENFEI WU	Date: 2017-2:13
WENFEI WU	· · · · · · · · · · · · · · · · · · ·

WHEREAS, the undersigned inventor(s) (hereinafter individually and collectively referred to as "ASSIGNOR") has/have invented:

METHOD AND SYSTEM FOR IMPROVING ECHO IN HANDS-FREE CALL OF MOBILE TERMINAL

for which application fo	r Letters Patent of the United States:
X has been executed	d on even date herewith;
was executed on _	;
was filed on	and assigned U.S. Application No.
	_;
AND MUEDEA	O THE THOU TO LEAD UP A COMMUNICATION OF LITE
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having a place of bu	ısiness at NO. 86, Hechang 7 [™] West Road, Zhong Kai Hi-tec

(hereinafter "the invention") for which application for Letters Patent of the United States:

AND WHEREAS, HUIZHOU TCL MOBILE COMMUNICATION CO., LTD a corporation having a place of business at NO. 86, Hechang 7TH West Road, Zhong Kai Hi-tech Development District, Hui Zhou, Guang Dong, P.R.CHINA, 516006 (hereinafter "ASSIGNEE"), and successors, assigns, and legal representatives, is desirous of acquiring the entire right, title, and interest therein;

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NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR does hereby sell, assign and transfer unto ASSIGNEE, its successors, assigns, and legal representatives, the entire right, title and interest in and to the aforesaid application, to the invention as described in the aforesaid application, and to any formal application which may be filed based in whole or in part on the aforesaid application, in the United States and all foreign countries, together with the right of priority under any international conventions, treaties and/or agreements to which the United States currently adheres and adheres to in the future, and hereby authorizes and requests the Commissioner of Patents to issue said Letters Patent to ASSIGNEE, for the sole use and benefit of ASSIGNEE, its successors, assigns, and legal representatives;

AND ASSIGNOR authorizes ASSIGNEE, its successors, assigns, and legal representatives, or anyone it may properly designate, to apply for Letters Patent, in its own name if desired, in any and all foreign countries, and additionally to claim the filing date of aforesaid application and/or otherwise take advantage of the provisions of any international convention, treaty and/or agreement;

United States Patent Application P15766 (277-0218PCT-US)

AND ASSIGNOR FURTHERMORE authorizes ASSIGNEE, its successors, assigns, and legal representatives, or anyone it may properly designate, to insert in this instrument the filling date and/or serial number of said application when ascertained.

AND ASSIGNOR AGREEING, FURTHERMORE, upon request of ASSIGNEE, and without further remuneration, but at no expense to ASSIGNOR, that ASSIGNOR or ASSIGNOR'S executors or administrators will provide all reasonable assistance to obtain maintain, and assert the fullest measure of legal protection that ASSIGNEE desires to obtain or assert for the invention, any related inventions, any formal application based thereon, and any resulting patents, including executing any and all papers desired by ASSIGNEE for the filing and granting of formal applications, the perfecting of title in ASSIGNEE, and in enforcing any rights in the invention, any related inventions, and any formal application or patent based thereon.

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EXECUTED as of the date(s) written below by ASSIGNOR:

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WHEREAS, the undersigned inventor(s) (hereinafter individually and collectively referred to as "ASSIGNOR") has/have invented:

METHOD AND SYSTEM FOR IMPROVING ECHO IN HANDS-FREE CALL OF MOBILE TERMINAL

for which application for Letters Patent of the	United States:
X has been executed on even date herewi	th;
was executed on	;
was filed on	and assigned U.S. Application No.
;	
	DBILE COMMUNICATION CO., LTD a corporation Hechang 7 TH West Road, Zhong Kai Hi-tec

(hereinafter "the invention") for which application for Letters Patent of the United States:

AND WHEREAS, HUIZHOU TCL MOBILE COMMUNICATION CO., LTD a corporation having a place of business at NO. 86, Hechang 7TH West Road, Zhong Kai Hi-tech Development District, Hui Zhou, Guang Dong, P.R.CHINA, 516006 (hereinafter "ASSIGNEE"), and successors, assigns, and legal representatives, is desirous of acquiring the entire right, title, and interest therein;

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United States Patent Application P15768 (277-0218PCT-US)

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United States Patent Application P15766 (277-0218PCT-US)

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Sigin FENG Date: 2017, 21/2

Page 2 of 2

PATENT REEL: 041458 FRAME: 0864