505578700 07/18/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5625499

SUBMISSION TYPE:		NEW ASSIGNMENT			
NATURE OF CONVEYANCE:		ASSIGNMENT			
CONVEYING PARTY DATA					
		Name	Execution Date		
JIA SHEN			03/15/2019		
HUA XU			07/01/2019		
Name:	GUANGDO	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.			
Street Address:	NO. 18, HAIBIN ROAD				
Internal Address:	WUSHA, CI	WUSHA, CHANG'AN			
City:	DONGGUA	DONGGUAN, GUANGDONG			
State/Country:	CHINA	CHINA			
Postal Code:	523860				
PROPERTY NUMBERS Total: 1					
Property Type		Number			
Application Number:	165	15669			
	٨٣٨				
CORRESPONDENCE D		()649-3338			
Fax Number:	(248)649-3338 e-mail address first; if that is unsuc	ccessful, it will be sent		
Fax Number: <i>Correspondence will be</i> <i>using a fax number, if p</i>	(248) sent to the provided; if t	e-mail address first; if that is unsuc that is unsuccessful, it will be sent v			
Fax Number: <i>Correspondence will be using a fax number, if p</i> Phone:	248) e sent to the provided; if t (248)	e-mail address first; if that is unsuc t hat is unsuccessful, it will be sent v () 649-3333			
Fax Number: <i>Correspondence will be using a fax number, if p</i> Phone: Email:	(248 e sent to the provided; if t (248 dock	e-mail address first; if that is unsuc that is unsuccessful, it will be sent v 649-3333 keting@youngbasile.com	ia US Mail.		
Fax Number: <i>Correspondence will be using a fax number, if p</i> Phone:	(248 e sent to the provided; if t (248 dock YOL	e-mail address first; if that is unsuc that is unsuccessful, it will be sent v 649-3333 keting@youngbasile.com JNG BASILE HANLON & MACFARLAN	ia US Mail.		
Fax Number: <i>Correspondence will be using a fax number, if p</i> Phone: Email: Correspondent Name:	(248 e sent to the provided; if t (248 dock YOL 300 ⁻	e-mail address first; if that is unsuc that is unsuccessful, it will be sent v 649-3333 keting@youngbasile.com	ia US Mail.		
Fax Number: <i>Correspondence will be using a fax number, if p</i> Phone: Email: Correspondent Name: Address Line 1:	(248 e sent to the provided; if t (248 dock YOL 300 ⁻¹ SUI ⁻¹	e-mail address first; if that is unsuc that is unsuccessful, it will be sent v () 649-3333 (eting@youngbasile.com JNG BASILE HANLON & MACFARLAN () WEST BIG BEAVER RD.	ia US Mail.		
Fax Number: <i>Correspondence will be using a fax number, if p</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 2:	(248 e sent to the provided; if t (248 dock YOL 300 ⁻¹ SUI [−] TRC	e-mail address first; if that is unsuc that is unsuccessful, it will be sent v () 649-3333 (eting@youngbasile.com JNG BASILE HANLON & MACFARLAN I WEST BIG BEAVER RD. TE 624	ia US Mail.		
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:	(248 e sent to the provided; if t (248 dock YOL 300 ⁻¹ SUI [−] TRC	<i>e-mail address first; if that is unsuc</i> <i>that is unsuccessful, it will be sent v</i> (b) 649-3333 (seting@youngbasile.com JNG BASILE HANLON & MACFARLAN I WEST BIG BEAVER RD. I E 624 ()Y, MICHIGAN 48084	ia US Mail.		
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 NU	(248 e sent to the provided; if t (248 dock YOL 300 ⁻¹ SUI [−] TRC	e-mail address first; if that is unsuc that is unsuccessful, it will be sent v (b) 649-3333 (aeting@youngbasile.com JNG BASILE HANLON & MACFARLAN I WEST BIG BEAVER RD. TE 624 DY, MICHIGAN 48084 OPPO4-142-A	ia US Mail.		
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 NU NAME OF SUBMITTER:	(248 e sent to the provided; if t (248 dock YOL 300 ⁻¹ SUI [−] TRC	e-mail address first; if that is unsuc that is unsuccessful, it will be sent v (a) 649-3333 (seting@youngbasile.com JNG BASILE HANLON & MACFARLAN I WEST BIG BEAVER RD. I WEST BIG BEAVER RD.	ia US Mail.		
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 NU NAME OF SUBMITTER: SIGNATURE:	(248 e sent to the provided; if t (248 dock YOL 300 ⁻¹ SUI [−] TRC	e-mail address first; if that is unsuc that is unsuccessful, it will be sent v (a) 649-3333 (seting@youngbasile.com JNG BASILE HANLON & MACFARLAN I WEST BIG BEAVER RD. TE 624 DY, MICHIGAN 48084 OPPO4-142-A LIN XIAO /Lin Xiao/	ia US Mail.		
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 2: Address Line 4: ATTORNEY DOCKET NU NAME OF SUBMITTER: SIGNATURE: DATE SIGNED: Total Attachments: 3 source=OPPO4142A_Exe	(248 e sent to the provided; if t (248 dock YOL 300 ⁻¹ SUI ⁻¹ TRC	e-mail address first; if that is unsuc that is unsuccessful, it will be sent v (a) 649-3333 (seting@youngbasile.com UNG BASILE HANLON & MACFARLAN I WEST BIG BEAVER RD. TE 624 DY, MICHIGAN 48084 OPPO4-142-A LIN XIAO /Lin Xiao/ 07/18/2019	ia US Mail.		
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 2: Address Line 4: XTTORNEY DOCKET NU NAME OF SUBMITTER: SIGNATURE: DATE SIGNED: Total Attachments: 3	(248 e sent to the provided; if t (248 dock YOL 300 ⁻⁷ SUI ⁻⁷ TRC IMBER:	e-mail address first; if that is unsuc that is unsuccessful, it will be sent v (a) 649-3333 (seting@youngbasile.com JNG BASILE HANLON & MACFARLAN I WEST BIG BEAVER RD. I W	ia US Mail.		

17-0387P/US1772

ASSIGNMENT

WHEREAS, we, <u>SHEN</u>, Jia of Dongguan, China and <u>XU</u>, <u>Hua</u> of Ontario, Canada (hereinafter referred to as "ASSIGNORS"), have invented a certain invention entitled <u>SEPARATE CONFIGURATION OF NUMEROLOGY</u><u>ASSOCIATED RESOURCES</u> as set forth in this United States Patent Application,

- executed concurrently herewith
- C executed on
- Serial No.

WHEREAS, GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., a corporation of China, having its principal place of business at <u>No.18 Haibin Road</u>. <u>Wusha</u>, <u>Chang'an Dongguan</u>, <u>Guangdong 523860 (CN)</u> (hereinafter referred to as "ASSIGNEE"), desires to acquire or otherwise obtain the entire right, title, and interest in and to said inventions, including all inventions related thereto or thereof, all patent applications therefor, and all patents that have granted or may be granted hereafter thereon, including but not limited to those identified below;

NOW THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNORS have sold, assigned, conveyed, and transferred, and by these presents do hereby sell, assign, convey, and transfer, unto ASSIGNEE, its successors, its legal representatives, and its assigns, the full and exclusive right, title, and interest throughout the world in and to (a) the above-identified invention or inventions and all improvements and modifications thereof, (b) the above-identified application and all other applications for Letters Patent of the United States and countries foreign thereto for the above-identified applications in the United States and countries foreign thereto, (c) all Letters Patent which may issue from said applications and Letters Patent, and (e) the right to claim for any of said applications the full benefits and priority right, title, and interest to be held and enjoyed by ASSIGNEE, its successors and assigns, to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by ASSIGNORS had this Assignment not been made.

AND we further do acknowledge and agree that we have sold, assigned, conveyed, and transferred, and by these presents do hereby sell, assign, convey, and transfer, unto ASSIGNEE, its successors, its legal representatives, and its assigns, all rights of priority under International Conventions, Treaties, or Agreements, and the entire right, title, and interest throughout the world in said INVENTIONS, including all inventions related thereto or thereof, and all patent applications therefor that may have been filed or may be filed hereafter for said INVENTIONS in any country, or any treaty/union organization, and all divisional applications, renewal applications, confirmation applications, validation applications and design applications thereof, and all issued patents which may have granted or may be granted hereafter for said INVENTIONS in any country, and all reissues, renewals, reexaminations, and extensions thereof;

ASSIGNORS HEREBY AUTHORIZE AND REQUEST the Commissioner of any official of any country, whose duty it is to issue patents on applications or registrations, to issue all patents for said INVENTIONS to said ASSIGNEE, its successors, its legal representatives and its assigns, in accordance with the terms of this instrument;

AND WE DO HEREBY sell, assign, transfer, and convey to said ASSIGNEE, its successors, its legal representatives, and its assigns all claims for damages and all remedies arising out of or relating to any violation(s) of any of the rights assigned hereby that have or may have accrued prior to the date of assignment to said ASSIGNEE, or may accrue hereafter, including, but not limited to the right to sue for, seek, obtain, collect, recover, and retain damages and any ongoing or prospective royalties to which we may be entitled, or that we may collect for any infringement or from any settlement or agreement related to any of said patents before or after issuance;

Page 1 of 2

17-0387P/US1772

AND WE HEREBY authorize the above-mentioned ASSIGNEE or its legal representative to insert in this instrument the filing date and serial number of said Application or any other information that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office or countries foreign to the United States;

ASSIGNORS HEREBY AGREE (a) to communicate to ASSIGNEE, its successors and assigns, or their representatives or agents, all facts and information known or available to ASSIGNOR respecting said invention or inventions, improvements, and modifications including evidence for interference, reexamination, reissue, opposition, revocation, extension, or infringement purposes or other legal, judicial, or administrative proceedings, whenever requested by ASSIGNEE; (b) to testify in person or by affidavit as required by ASSIGNEE, its successors and assigns, in any such proceeding in the United States or a country foreign thereto; (c) to execute and deliver, upon request by ASSIGNEE, all lawful papers including, but not limited to, original, divisional, continuation, and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, declarations, depositions; and (d) to provide all reasonable assistance to ASSIGNEE, its successors and assigns, in obtaining and enforcing proper title in and protection for said invention or inventions, improvements, and modifications under the intellectual property laws of the United States and countries foreign thereto.

ASSIGNORS HEREBY REPRESENT AND WARRANT that ASSIGNORS have the full and unencumbered right to sell, assign, convey, and transfer the interests sold, assigned, and transferred herein, and that ASSIGNORS have not executed and will not execute any document or instrument in conflict herewith.

SHEN, Jia (type name of Assignor)	SHEV Jia Signature of ASSIGNOR	$\frac{2 \sigma i \int -03 - 15}{date of signing}$
XU, Hua (type name of Assignor)	Signature of ASSIGNOR	this date of signing

Page 2 of 2

Attorney Docket No.:

AND DRA Signature: _____ Hua Xu

Date: 07/01/2019

PATENT

REEL: 049793 FRAME: 0736

Page 2 of 2

RECORDED: 07/18/2019