503265434 04/15/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3312052

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YONGXING ZHOU	02/26/2015
JINGYUAN SUN	02/26/2015
LIANG XIA	02/14/2014
DAVID JEAN-MARIE MAZZARESE	04/14/2015
MINGYU ZHOU	02/15/2014
XIAOTAO REN	04/11/2015
JIAYIN ZHANG	04/14/2015

RECEIVING PARTY DATA

Name:	HUAWEI TECHNOLOGIES CO., LTD.		
Street Address:	HUAWEI ADMINISTRATION BUILDING		
Internal Address:	BANTIAN, LONGGANG DISTRICT		
City:	SHENZHEN, GUANGDONG		
State/Country:	CHINA		
Postal Code:	518129		

PROPERTY NUMBERS Total: 1

Property Type	Number		
Application Number:	14202537		

CORRESPONDENCE DATA

Fax Number: (972)628-3616

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: 972 628 3600

Email: patents@munckwilson.com
Correspondent Name: DOCKET CLERK/HTCL
Address Line 1: P.O. DRAWER 800889
Address Line 4: DALLAS, TEXAS 75380

ATTORNEY DOCKET NUMBER:	HUAW06-54269
NAME OF SUBMITTER:	ROBERT D. MCCUTCHEON
SIGNATURE:	/ROBERT D. MCCUTCHEON/

PATENT 503265434 REEL: 035416 FRAME: 0044

DATE SIGNED:	04/15/2015
Total Attachments: 12	
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PATENT REEL: 035416 FRAME: 0045

ASSIGNMENT

WHEREAS, WE,

Yongxing ZHOU Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA; and

Liang XIA Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA; and

Mingyu ZHOU Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA; and

Jiayin ZHANG Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA: Jingyuan SUN Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA; and

David jean-marie Mazzarese Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA; and

Xiaotao REN Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA;

have invented and own a certain invention entitled: METHOD AND APPARATUS FOR COORDINATED MULTI-NODE TRANSMISSION for which invention we have executed an application (provisional or non-provisional) for a U.S. patent, which was filed on 10 Mar 2014, under U.S. Application No. 14202537 and

WHEREAS, HUAWEI TECHNOLOGIES CO., LTD., of Huawei Administration Building, Bantian, Longgang District, Shenzhen, 518129, Guangdong, P.R. China, hereinafter referred to as Assignee, is desirous of acquiring the entire domestic and foreign right, title, and interest in and under the invention described in the patent application.

Now, Therefore, for good and valuable considerations, the receipt and sufficiency of which are hereby acknowledged, we assign and transfer to the Assignee and the Assignee's legal representatives, successors and assigns the full and exclusive rights in and to the invention in the U.S. and every foreign country and the entire right, title, and interest in and to the patent application and other such applications (e.g., provisional applications, non-provisional applications, continuations, continuations-in-part, divisionals, reissues, reexaminations, National phase applications, including petty patent applications, and utility model applications) that may be filed in the United States and every foreign country on the invention, and the patents, extensions, or derivations thereof, both foreign and domestic, that may issue thereon, and we do hereby authorize and request the Commissioner of Patents to issue U.S. patents to the above-mentioned Assignee agreeably with the terms of this assignment document.

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PATENT REEL: 035416 FRAME: 0046

In re Appln. of Zho	ou et al.
Attorney Docket N	

WE DO HEREBY COVENANT and agree with the Assignee that we will not execute any writing or do any act whatsoever conflicting with the terms of this assignment document set forth herein, and that we will at any time upon request, without further or additional consideration, but at the expense of the Assignee, execute such additional assignments and other writings and do such additional acts as the Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this assignment, and render all necessary assistance in making application for and obtaining original, continuation, continuation-in-part, divisional, reissued, reexamined, and National phase patents of the U.S. or of any and all foreign countries on the invention, and in enforcing any rights or chooses in action accruing as a result of such applications or patents, and by executing statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of all parties hereto.

Date Feb. 26,2015	Yongxing ZATOU
Date Feb. 26, 2015	Jing yuan SUN Jingyuan SUN
Date	Liang XIA
Date	David jean-marie Mazzarese
Date	Mingyu ZHOU
Date	Xiaotao REN
Date	Timi TITANO
	Jiayin ZHANG

ASSIGNMENT

WHEREAS, WE,

Yongxing ZHOU Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA; and

Liang XIA Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA; and

Mingyu ZHOU Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA; and

Jiayin ZHANG Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA; Jingyuan SUN Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA; and

David jean-marie Mazzarese Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA; and

Xiaotao REN Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA;

have invented and own a certain invention entitled: METHOD AND APPARATUS FOR COORDINATED MULTI-NODE TRANSMISSION for which invention we have executed an application (provisional or non-provisional) for a U.S. patent, which was filed on 10 Mar 2014, under U.S. Application No. 14202537 and

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1

PATENT REEL: 035416 FRAME: 0048

In re Appln. of Zhou et al.	
Attorney Docket No.	•

WE DO HEREBY COVENANT and agree with the Assignee that we will not execute any writing or do any act whatsoever conflicting with the terms of this assignment document set forth herein, and that we will at any time upon request, without further or additional consideration, but at the expense of the Assignee, execute such additional assignments and other writings and do such additional acts as the Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this assignment, and render all necessary assistance in making application for and obtaining original, continuation, continuation-in-part, divisional, reissued, reexamined, and National phase patents of the U.S. or of any and all foreign countries on the invention, and in enforcing any rights or chooses in action accruing as a result of such applications or patents, and by executing statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of all parties hereto.

Date	Yongxing ZHOU
Date	Jingyuan SUN
Date <u>Feb. 14. 2014</u>	Liang X/A Liang XIA
Date	David jean-marie Mazzarese
Date	Mingyu ZHOU
Date	Xiaotao REN
Date	Jiayin ZHANG

ASSIGNMENT

WHEREAS, WE,

Yongxing ZHOU Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA; and

Liang XIA Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA; and

Mingyu ZHOU Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA; and

Jiayin ZHANG Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA; Jingyuan SUN
Huawei Administration Building
Bantian, Longgang District
Shenzhen, 518129, Guangdong
P.R. CHINA; and

David jean-marie Mazzarese Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA; and

Xiaotao REN Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA;

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In	re A	App	ln.	of	Zhou	et	al.	
					et No.			

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Date	Yongxing ZHOU
Date	Jingyuan SUN
Date	Liang XIA
Date 14 April 2015	David jean-marie Mazzarese
Date	Mingyu ZHOU
Date	Xiaotao REN
Date	Jiayin ZHANG

ASSIGNMENT

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Yongxing ZHOU Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA; and

Liang XIA Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA; and

Mingyu ZHOU Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA; and

Jiayin ZHANG Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA; Jingyuan SUN
Huawei Administration Building
Bantian, Longgang District
Shenzhen, 518129, Guangdong
P.R. CHINA; and

David jean-marie Mazzarese Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA; and

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In re Appln. of Zhou	et al.
Attorney Docket No.	

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Date	
	Yongxing ZHOU
Date	
	Jingyuan SUN
Date	
	Liang XIA
Date	
	David jean-marie Mazzarese
Date Feb. 15, 2014	Mingya 2404
	Mingyu ZHOU
Date	:
	Xiaotao REN
Date	
	Jiayin ZHANG

ASSIGNMENT

WHEREAS, WE,

Yongxing ZHOU Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA; and

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Attorney			

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Date	Yongxing ZHOU
Date	Jingyuan SUN
Date	Liang XIA
Date	David jean-marie Mazzarese
Date	Mingyu ZHOU
Date April, 11, 2015	Xiaotao REN
Date	Jiayin ZHANG

ASSIGNMENT

WHEREAS, WE,

Yongxing ZHOU Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA; and

Liang XIA Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA; and

Mingyu ZHOU Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA; and

Jiayin ZHANG Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA; Jingyuan SUN Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA; and

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In re Appln.	of Zhou et al.	
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Date	P
	Yongxing ZHOU
Date	Jingyuan SUN
·	Jingyuan 5014
Date	Liang XIA
Date	
·	David jean-marie Mazzarese
Date	Mingyu ZHOU
Date	·
	Xiaotao REN
Date Apr. 14.2015	Jianin ZHANG Jianin ZHANG
	Jiayin ZHANG