### 501956084 06/14/2012

#### PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
Xiangbin Liu	06/05/2012
Luoying Yin	06/05/2012
Sen Zhang	06/05/2012

## **RECEIVING PARTY DATA**

Name:	Hisilicon 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:	13523279

# CORRESPONDENCE DATA

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Mail.

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ATTORNEY DOCKET NUMBER:	13674-840
NAME OF SUBMITTER:	Gustavo Siller, Jr.

# Total Attachments: 3

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> PATENT REEL: 028377 FRAME: 0929

\$40.00

Client/Matter No. 13674-840 Client Ref. No. 81391153US04

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	To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below:				
1.	Name of co	nveying Party(ies):	2.	Name and Ad	dress of receiving Party(ies):
	XIANGBIN LIU/JUNE 5, 2012 LUOYING YIN/JUNE 5, 2012 SEN ZHANG/JUNE 5, 2012			Name:	HUAWEI TECHNOLOGIES CO.,LTD.
		of conveying party(ies) attached?		Address:	Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R.China
3.		onveyance/Execution Date(s):			
		ent		Additional name(	s) and addresses attached? □ Yes ☑ No
4.	Application	or Patent Number(s).	nent	is being filed too	gether with a new application.
A.	Patent Applic	cation No.(s):	В.	Patent No.(s):	
		Additional numbers atta	ched	? □ Yes ⊠ No	
5.		ddress of party to whom correspondence document should be mailed:	6.	Total no. of a	pplications & patents involved: 1
			7.	Total Fee (37	CFR 1.21(h) & 3.41) \$ <u>40.00</u>
	BRINKS HOFER GILSON & LIONE PO BOX 10395			Authorize Enclosed	charge by credit card charge to Deposit Account No. 23-1925 uired (government interest not affecting title)
CHICAGO, IL 60610 Phone: (312) 321-4200 Fax: (312) 321-4299		8.	Payment Info	rmation:	
		a.	☐ Credit Card	: Last 4 Numbers Expiration Date	
			b.	Account Nu	and/or any Deficiencies to Deposit mber 23-1925 User Name: Brinks Hofer Gilson & Lione
9.	Signature:	/Gustavo Siller, Jr./			June 14, 2012
		Signature	•		Date
		Gustavo Siller, Jr. Name of Person Signing			of pages including coversheet, nts and documents: <b>3</b>

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to: Mail Stop Assignment Recordation Services, Director of the USPTO, PO Box 1450, Alexandria, VA 22313-1450

PATENT REEL: 028377 FRAME: 0930

Attorney Docket No. \_\_\_\_\_ Client Reference No. 81391153US04

### **ASSIGNMENT**

# WHEREAS, WE,

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

Sen ZHANG Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA; Luoying YIN Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA; and

have invented and own a certain invention entitled:

Pass-by Breakpoint Setting and Debugging Method and Device
for which invention we have executed an application (provisional or non-provisional) for a U.S.
patent, which was filed on\_\_\_\_\_\_, under U.S. Application No.\_\_\_\_\_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.

WE HEREBY AUTHORIZE the Assignee to insert in this assignment document the filing date and application number of the application if the date and number are unavailable at the time this document is executed.

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

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Atto	nev Do	cket No.	We will be a second

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.

IN WITNESS WHEREOF, we have hereunder set our hands on the dates shown below.

Date Jan 5, 2012	LiangbinLIU
Date Jun 5. 2012.	Xiangbin LIU  Hai HUANG  Witness
Date June 5.2012	Okko (David Koo) Witness
<b>.</b>	
Date Jun. S. 2012	Luoying YIV Luoying YIN
Date Jun. 5, 2012	Dong Tang
Date Jun. 5, 2012	Witness Chi ZHANG Witness
•	
Date Jun. 5, 2012	Sen ZHANG Sen ZHANG
Date	Tong ZHOU Witness 9
Date	Witness ZHANG

**PATENT** 

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