502066535 09/18/2012

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Zhenlong ZHANG	09/10/2012
Shuai ZHOU	09/10/2012

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:	13777334

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ATTORNEY DOCKET NUMBER:	HW710970
NAME OF SUBMITTER:	John B. Conklin

Total Attachments: 2

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> PATENT REEL: 028980 FRAME: 0343

H \$40.00 1377733

PATENT

Attorney Docket No. <u>HW710970</u> Client Reference No. 83243349US03

ASSIGNMENT

WHEREAS, WE,

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

have invented and own a certain invention entitled:

METHOD AND DEVICE FOR RECOVERING DESCRIPTION INFORMATION, AND METHOD AND DEVICE FOR CACHING DATA IN DATABASE

for which invention we have executed an application (provisional or non-provisional) for a U.S. patent, which was filed on 09/17/12, under U.S. Application No.____and

13/777,334

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 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.

PATENT REEL: 028980 FRAME: 0344 In re Appln. of Zhang et al. Attorney Docket No. <u>HW7109</u>70

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

Date 600 10, 2012	Zhenlong ZHANG Zhenlong ZHANG	
Date <u> </u>	He LING Witness	
Date <u>40 p 10,]012</u>	Linbo SHEN Witness	
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Date <u>Sep</u> 10 , 2012	Shuai ZHOU Shuai ZHOU	
Date 40 10 2018	Hui 2110U Witness	
	HIS WANG	

Witness