

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT5598907

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ZHIPENG WU	09/13/2018
ZHIHUA WANG	09/13/2018
TIANXING YANG	09/13/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	BEIJING BAIDU NETCOM SCIENCE AND TECHNOLOGY CO., LTD.
<b>Street Address:</b>	2/F BAIDU CAMPUS, NO. 10, SHANGDI 10TH STREET, HAIDIAN DISTRICT
<b>City:</b>	BEIJING
<b>State/Country:</b>	CHINA
<b>Postal Code:</b>	100085
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16458427
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(412)471-4094
<i>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.</i>	
<b>Phone:</b>	412-471-8815
<b>Email:</b>	assignments@webblaw.com
<b>Correspondent Name:</b>	THE WEBB LAW FIRM, P.C.
<b>Address Line 1:</b>	ONE GATEWAY CENTER
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<b>Address Line 4:</b>	PITTSBURGH, PENNSYLVANIA 15222
<b>ATTORNEY DOCKET NUMBER:</b>	5553-1904607
<b>NAME OF SUBMITTER:</b>	RICHARD L. BYRNE REG. # 28498
<b>SIGNATURE:</b>	/Richard L. Byrne/
<b>DATE SIGNED:</b>	07/01/2019
This document serves as an Oath/Declaration (37 CFR 1.63).	
<b>Total Attachments: 4</b>	
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source=Assignment#page2.tif  
source=Assignment#page3.tif

### RECORDATION FORM COVER SHEET PATENTS ONLY

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 conveying party(ies)**

Zhipeng WU  
Zhihua WANG  
Tianxing YANG

Additional name(s) of conveying party(ies) attached?  Yes  No

**2. Name and address of receiving party(ies)**

Name: Beijing Baidu Netcom Science and  
Internal Address: Technology Co., Ltd.

Street Address: 2/F Baidu Campus, No. 10  
Shangdi 10th Street, Haidian District

City: Beijing

State: \_\_\_\_\_

Country: CHINA Zip: 100085

Additional name(s) & address(es) attached?  Yes  No

**3. Nature of conveyance/Execution Date(s):**

Execution Date(s) September 13, 2018

- Assignment  Merger
- Security Agreement  Change of Name
- Joint Research Agreement
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other \_\_\_\_\_

**4. Application or patent number(s):**

This document serves as an Oath/Declaration (37 CFR 1.63).

A. Patent Application No.(s)

16/458,427

B. Patent No.(s)

Additional numbers attached?  Yes  No

**5. Name and address to whom correspondence concerning document should be mailed:**

Name: Richard L. Byrne

Internal Address: The Webb Law Firm

Street Address: One Gateway Center  
420 Ft. Duquesne Blvd., Ste 1200

City: Pittsburgh

State: PA Zip: 15222

Phone Number: 412-471-8815

Docket Number: 5553 - 1904607

Email Address: assignments@webblaw.com

**6. Total number of applications and patents involved: 1**

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 0

- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

**8. Payment Information**

Deposit Account Number \_\_\_\_\_

Authorized User Name \_\_\_\_\_

**9. Signature:**

/Richard L. Byrne/

July 1, 2019

Signature

Date

Richard L. Byrne

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

4

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, P.O.Box 1450, Alexandria, V.A. 22313-1450

**PATENT**

**REEL: 049639 FRAME: 0503**

**ASSIGNMENT STATEMENT**

As a below named inventor, I hereby declare that:

I believe I am the original joint inventor of a claimed invention in the application for which this declaration is being submitted and for which a patent is sought on the invention entitled:

METHOD AND APPARATUS FOR UPDATING INFORMATION

(hereinafter referred to as INVENTION), the application of which is attached hereto unless the following is checked

filed on 07/01/2019 as United States Application No. 16/458,427,  
or was filed on \_\_\_\_\_ as PCT International Application, No. \_\_\_\_\_.

The above-identified application claims the priority of Chinese Patent Application No. 201810998037.6, entitled "METHOD AND APPARATUS FOR UPDATING INFORMATION" (in Chinese "用于更新信息的方法及装置") filed on August 29, 2018,

The above-identified application was made or authorized to be made by me.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

I hereby authorize the firm of Insight Intellectual Property Attorneys, whose full post office address is 48A Zhichun Road, 19th Floor, Beijing, 100098, China, or the agent(s) of record in the United States to insert above the serial number and filing date of said application when known.

WHEREAS, we, Zhipeng Wu; Zhihua Wang; Tiansing Yang (hereinafter referred to as ASSIGNORS), all having a mailing address of 2/F Baidu Campus, No. 10, Shangdi 10th Street, Haidian District Beijing 100085, China, are the joint inventors of the INVENTION;

WHEREAS, BEIJING BAIDU NETCOM SCIENCE AND TECHNOLOGY CO., LTD. (hereinafter referred to as ASSIGNEE), having a usual place of business at 2/F Baidu Campus, No. 10, Shangdi 10th Street, Haidian District Beijing 100085, China, is desirous of acquiring the entire right, title and interest in and to the INVENTION and in and to any letters patent that may be granted therefor in the United States;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE, the entire right, title and interest in and to said INVENTION, said application and any and all letters patent which may be granted for said INVENTION in the United States of America and its territorial possessions including any extensions or adjustments in term thereof, and in any and all divisions, reissues and continuations thereof, including the right to sue and collect damages for past and present infringement of said letters patent; said INVENTION, application and all letters patent on said INVENTION to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer and sale not been made. ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said INVENTION to ASSIGNEE. ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of applications for United States letters patent on said INVENTION, for litigation regarding said letters patent, or for the purpose of protecting title to said INVENTION or letters patent therefor.

FURTHER, ASSIGNORS agree that ASSIGNORS will communicate to said ASSIGNEE or its representatives any facts known to us respecting said INVENTION, and testify in any legal proceeding, sign all lawful papers, execute all papers relating to a continuation, division, continuation-in-part, extension, non-provisional or substitute thereof, including any corresponding right to claim priority from the patent application in the United States and its territorial possessions and any reissue, re-examination or extension of said letters patent, execute all necessary assignment papers to cause any and all of said letters patents to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said INVENTION in the United States and its territorial possessions.

FURTHER, ASSIGNORS and ASSIGNEE hereby authorize the firm of Insight Intellectual Property Attorneys, whose full post office address is 48A Zhichun Road, 19<sup>th</sup> Floor, Beijing, 100098, China, or the agent(s) of record in the United States to correct errors in this Assignment, or to insert any further identification or other information necessary or desirable to make this Assignment suitable for recordal in the United States Patent and Trademark Office.

Legal Name of Inventor: Zhipeng Wu

Wuzhipeng  
Signature of Inventor

2018-9-13  
Date

Legal Name of Inventor: Zhihua Wang

Wang Zhihua  
Signature of Inventor

2018.9.13  
Date

Legal Name of Inventor: Tianxing Yang

Tianxing Yang  
Signature of Inventor

2018.9.13  
Date