

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
HUANGUO ZHANG	05/18/2015
SHAOWU MAO	05/18/2015
HOUZHEN WANG	05/18/2015
WANQING WU	05/18/2015
JINHUI LIU	05/18/2015
JIANWEI JIA	05/18/2015
<b>RECEIVING PARTY DATA</b>	
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<b>City:</b>	WUHAN,HUBEI
<b>State/Country:</b>	CHINA
<b>Postal Code:</b>	430072
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14724809
<b>CORRESPONDENCE DATA</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	AIPTUSA0068USP
<b>NAME OF SUBMITTER:</b>	CHE-YANG CHEN
<b>SIGNATURE:</b>	/CHE-YANG CHEN/
<b>DATE SIGNED:</b>	08/24/2015
This document serves as an Oath/Declaration (37 CFR 1.63).	

**Total Attachments: 3**

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ASSIGNMENT

WHEREAS, ; ZHANG, HUANGUO ; MAO, SHAOWU ; WANG, HOUZHEN ;  
WU, WANOING ; LIU, JINHUI ; JIA, JIANWEI (hereinafter referred to collectively  
as "ASSIGNORS") has invented certain new and useful improvements disclosed in the  
following patent application: ASYMMETRIC-COMPUTING TYPE SHARED KEY ESTABLISHING METHOD  
SUITABLE FOR CLOUD COMPUTING AND IoT

Utility Patent Application No. 14724809 entitled,  
ASYMMETRIC-COMPUTING TYPE SHARED KEY ESTABLISHING METHOD  
SUITABLE FOR CLOUD COMPUTING AND IoT, filed on 05-29-2015.

WHEREAS, the above-referenced patent application and said improvements disclosed  
therein are together referred to as PATENT APPLICATION;

WHEREAS, ; ZHANG, HUANGUO ; MAO, SHAOWU ; WANG, HOUZHEN ;  
WU, WANOING ; LIU, JINHUI ; JIA, JIANWEI, China citizens residing in  
Luoja Hill, Wuchang District, Wuhan, Hubei 430072, may have certain right, title or  
interest in this PATENT APPLICATION

AND WHEREAS, WUHAN UNIVERSITY (hereinafter "ASSIGNEE), an university  
in China, having its principal place at Luoja Hill, Wuchang District, Wuhan, Hubei  
430072 wishes to acquire entire right, title and interest in and to these PATENT  
APPLICATION and said improvements, as well as the right of action and all other rights,  
including the right to sue or otherwise bring action and to collect and receive damages  
therefrom, for past infringement thereof, and to collect reasonable royalties based on the  
provisional rights thereof;

NOW THEREFORE, in the receipt of valuable consideration which is hereby  
acknowledged, ASSIGNORS do hereby sell, assign and set over to ASSIGNEE:

(i) the entire right, title and interest in and to the PATENT APPLICATION and said  
improvements (any ordinary, divisional, continuation, continuation-in-part and relevant  
international counterparts), that ASSIGNORS has or may have, and patent applications  
claiming priority therefrom, including but not limited to all ordinary, divisions,  
continuations and continuations-in-part thereof, and all United States Letters Patents  
which may be granted thereon and all reissues, reexaminations and extensions thereof,  
and all priority rights under all available International Agreements, Treaties and  
Conventions for the protection of intellectual property in its various forms in every  
participating country, and all applications for patents (including related rights such as  
utility-model registrations, inventor's certificates, and the like) heretofore or hereafter  
filed for said improvements in any foreign countries, including but not limited to all  
ordinaries, divisions, continuations and continuations-in-part thereof, and all patents,  
including but not limited to, extensions, renewals, substitutes and reissues, granted for  
said improvements in any foreign countries; and

(ii) any and all claims and demands that ASSIGNORS may have against any firm,  
person or corporation relating to the PATENT APPLICATION including but not limited

to, any claim of infringement or claim of provisional rights, whether heretofore or hereafter accrued, together with the right to retain for ASSIGNEE any and all sums that ASSIGNEE may obtain or recover as a result of the assertion or enforcement of any such claim or demand; and

ASSIGNORS hereby authorize and requests the United States Commissioner of Patents and Trademarks, and any officials of foreign countries whose duty it is to issue patents on applications as aforesaid, to issue all patents for said improvements to ASSIGNEE in accordance with the terms of this Assignment;

ASSIGNORS hereby covenant that ASSIGNORS have full right to convey the entire interest, and that ASSIGNORS have not executed, and will not execute, any agreement in conflict herewith;

IN TESTIMONY WHEREOF, I hereunto set my hand on the date given below.

✓  
ZHANG, HUANGUO

\_\_\_\_\_  
ZHANG, HUANGUO

Date: May 18, 2015

✓  
MAO, SHAO WU

\_\_\_\_\_  
MAO, SHAO WU

Date: May 18, 2015

✓  
WANG, HOU ZHEN

\_\_\_\_\_  
WANG, HOU ZHEN

Date: May 18, 2015

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CN/US-WK15001

✓

WU WANQING

WU, WANQING

Date: May 18, 2015

✓

LIU, JINHUI

LIU, JINHUI

Date: May 18, 2015

✓

JIA, JIANWEI

JIA, JIANWEI

Date: May 18, 2015