

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
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MING TIAN	05/14/2015
LIHUA HUANG	05/14/2015
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City:	SHENZHEN
State/Country:	CHINA
Postal Code:	518000
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14439672
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ATTORNEY DOCKET NUMBER:	30952/49521
NAME OF SUBMITTER:	CHRISTINE HILLS
SIGNATURE:	/Christine Hills/
DATE SIGNED:	05/20/2015
Total Attachments: 4	
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Attorney Docket No. 30952/49521

ASSIGNMENT

Serial No: 14/439,672

Filed: October 29, 2013

Title: DATA SYNCHRONIZATION METHOD AND DATA SYNCHRONIZATION
SYSTEM FOR MULTI-LEVEL ASSOCIATIVE STORAGE ARCHITECTURE, AND
STORAGE MEDIUM

For good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, each of the undersigned hereby does sell, assign and transfer to Tencent Technology (Shenzhen) Company Limited, Room 403, East Block 2, SEG Park, Zhenxing Road, Futian District, Shenzhen, Guangdong 518000, PRC and its successors and assigns ("Assignee") the full and exclusive right, title and interest in and to the inventions of such undersigned disclosed in the application listed above, and in any and all other applications anywhere in the world which the undersigned may file and/or be named as an inventor of, solely or jointly, on said inventions, including the right to claim priority directly or indirectly from the aforesaid application, in any and all patents which may be obtained on any of said applications and in any and all divisions, continuations, continuations-in-part, or other applications claiming priority directly or indirectly from the aforesaid application, and any United States or foreign Letters Patent, utility model, or other similar rights which may be granted thereon, including, reissues, reexaminations and extensions thereof, supplemental examinations, inter partes reviews, oppositions, post-grant reviews, supplementary protection certificates and/or extensions thereof and all copyright rights, including without limitation, the right to bring suit and to claim and retain all damages and/or seek other remedies for the past, present and future infringement of, or liabilities for, any of the rights relating to any of the applications, patents, utility models, or other similar rights, resulting therefrom, and the copyrights, and the right of priority, including without limitation to claim priority benefit of or to said patent applications, and request the Commissioner for Patents in the United States and similar authorities outside the United States to issue said patents to and in the name of the Assignee.

Each of the undersigned authorizes the attorneys of record in the application listed above to insert in this assignment the filing date and application number of the

application listed above when officially known, or any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

Each of the undersigned states that the application listed above is or was made or authorized to be made by him or her. Each of the undersigned believes himself or herself to be the original inventor or an original joint inventor of a claimed invention in the application listed above. Each of the undersigned acknowledges that any willful false statement made by him or her in this paragraph is punishable under 18 U.S.C. §1001 by fine or imprisonment of not more than five years, or both.

Except in favor of Assignee, each of the undersigned warrants that: (i) he or she is the owner of all its rights, title and interests herein assigned and has the right to make this unconditional and irrevocable assignment to Assignee without obtaining any approval or permission of a third party; and (ii) there are no outstanding agreements, sales, encumbrances, liens, prior assignments, licenses, or other obligations or restrictions on the rights, title and interests herein assigned. Assignor further covenants not to challenge, or assist or participate in any third party challenge to, the assigned inventions, or any patent application or patent thereon, whether by litigation, post grant review, inter partes review, covered business method review, reexamination, or otherwise.

Upon the request of Assignee and at no expense to the undersigned, each of the undersigned hereby agrees to execute any and all instruments or documents required or requested for the making and prosecution of any applications of any type for patent, utility model, or other similar rights, and for copyright, in the United States and in all foreign countries, including without limitation, provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, any derivation proceedings relating thereto, and as to Letters Patent any supplemental examination, derivation proceeding, opposition, post grant review, reissue, reexamination, inter partes review, or extension thereof, and for litigation regarding, or for the purpose of defending the validity of or protecting title to the said invention, supplementary protection certificate or extension thereof and any oath, declaration or affidavit relating thereto that said Assignee may deem necessary or expedient, and to cooperate to the

best of the ability of the undersigned with and perform any and all affirmative acts requested by Assignee to prepare, file, prosecute, maintain, defend, enforce and vest in Assignee the rights, title and interests assigned herein, including without limitation, preparing and executing statements and giving and producing evidence in support thereof, testifying in support thereof, without further or other compensation than that above set forth, whereby said rights, title and interests of the said invention, the United States application for patent, or Letters Patent therefor, will be held and enjoyed by said Assignee to the full end of the term for which said patents may be granted as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment had not been made.

Tencent Technology
(Shenzhen) Company
Limited

Name

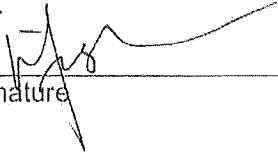
L2 FUSHAN

Title

VP INVENT

hereby confirms Assignee's acceptance of all rights, privileges, title and interests conveyed by this assignment.

Signature



Date

2015.5.18

Date: 2015.5.14

Shu Jun
SHU, Jun

Date: 2015.5.14

Tian Ming
TIAN, Ming

Date: 2015.5.14

Huang Lihua
HUANG, Lihua