## 502340290 05/08/2013

# PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
Haiyang Zhang	05/07/2013
Gong jun Fei	05/07/2013
Guoxian Shang	05/07/2013
Shaorong Li	05/07/2013

### **RECEIVING PARTY DATA**

Name:	CA, Inc.
Street Address:	One CA Plaza
City:	Islandia
State/Country:	NEW YORK
Postal Code:	11749

### PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13890007

### **CORRESPONDENCE DATA**

Fax Number:

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

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ATTORNEY DOCKET NUMBER:	2586.081US1
NAME OF SUBMITTER:	Chris Bartl
Signature:	/Chris Bartl/
	PATENT

REEL: 030377 FRAME: 0391

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Date:	05/08/2013
Total Attachments: 6 source=A9RE2C1#page1.tif source=A9RE2C1#page2.tif source=A9RE2C1#page3.tif source=A9RE2C1#page4.tif source=A9RE2C1#page5.tif source=A9RE2C1#page5.tif	

PATENT REEL: 030377 FRAME: 0392

Attorney Docket No. 2586.081US1 Client Ref. No. 20131070

#### ASSIGNMENT

WHEREAS, Haiyang Zhang, Gong jun Fei, Guoxian Shang and Shaorong Li (hereinafter the "Undersigned") have made one or more inventions and other subject matter (hereinafter collectively referred to as the "Invention") which are described in a patent application filed on <a href="May 8, 2013">May 8, 2013</a>, which application was assigned US patent application serial number <a href="13/890,007">13/890,007</a>, and which is titled SYSTEM AND METHOD FOR PROTECTING NTFS DEDUPLICATION VOLUMES.

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency, and adequacy of which are hereby acknowledged by the Undersigned, the Undersigned do hereby irrevocably and unconditionally:

CONVEY, ASSIGN, AND TRANSFER to CA, Inc. (the "Assignee"), a corporation of the State of Delaware, having a place of business at One CA Plaza, Islandia, NY 11749, the Undersigned's entire right, title, and interest for the United States and all foreign countries and jurisdictions in and to:

the Invention which is disclosed in the above-identified application or applications;

such application or applications, and all divisional, continuing (including continuation-in-part), substitute, renewal, reissue, and all other applications for a patent or patents which have been or shall be filed in the United States (including all provisional and non-provisional applications), and in all foreign countries and jurisdictions based in whole or in part on any of such Invention (including any application for a utility model or an innovation patent application);

all original and reissued patents which have been or shall be issued in the United States and all foreign countries and jurisdictions based in whole or in part on any of such invention;

including the right to claim priority to the above-identified patent application or applications in relation to subject matter based in whole or in part on the above-identified patent application or applications and any of the foregoing including the right to file foreign applications under the provisions of any convention or treaty;

and including the right to all causes of action, remedies, and other enforcement rights related to the above-identified application or applications, including without limitation the right to sue for past, present, or future infringement, misappropriation, or violation of any and all rights related to the above-identified patent application or applications and any of the foregoing, including the right to obtain and collect damages for past, present, or future infringement;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such Invention to the Assignee;

AUTHORIZE AND REQUEST that any attorney associated with U.S. Patent and Trademark Office (USPTO) Customer No. 105104 may (directly or through his/her designee) delete, insert, or alter any information related to the above-identified patent application or applications or any of the foregoing, after execution of this Assignment;

PATENT REEL: 030377 FRAME: 0393 WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or shall be made to others by the Undersigned, and that the full right to convey the same as herein expressed is possessed by the Undersigned;

COVENANT, that when requested and without compensation, but at the expense of the Assignee, in order to carry out in good faith the intent and purpose of this Assignment, the Undersigned shall (1) execute all provisional, non-provisional, divisional, continuing (including continuation-in-part), substitute, renewal, reissue, and all other patent applications for the Invention; (2) execute all rightful oaths, declarations, assignments, powers of attorney and other papers for the Invention; (3) communicate to the Assignee all facts known to the Undersigned relating to the Invention and the history thereof; (4) cooperate with the Assignee in any interference, reexamination, reissue, opposition, dispute, or litigation involving any of the applications or patents for the Invention; and (5) take such further actions as the Assignee shall reasonably consider necessary or desirable for vesting title to such Invention in the Assignee, or for securing, maintaining and enforcing proper patent protection for the Invention;

COVENANT, that should any provision of this agreement be held unenforceable by an authority of competent jurisdiction, such a ruling shall not affect the validity and enforceability of the remaining provisions. To the extent that any such provision is found to be unenforceable, the Undersigned, when requested and without compensation shall act in good faith to substitute for such provision a new provision with content and purpose as close as possible to the provision deemed unenforceable.

THIS AGREEMENT IS TO BE BINDING on the heirs, assigns, representatives, and successors of the Undersigned, and is to extend to the benefit of the successors, assigns, and nominees of the Assignee.

AGREED as of the date of my signature below:

Assignment
Assignment Hayang Zhang et al.
Title: SYSTEM AND METHOD FOR PROTECTING ATTS DEBUPLICATION VOLUMES
Page 3 of 6

Docket No. 2586,081US1 Client Ref. No. 20131070

Assignor:

(Signature):

Name: Haiyang Zhang

City/State: Beijing, China

Date: 75/7/5/]

PATENT REEL: 030377 FRAME: 0395 Assignment
Assignors: Haiyang Zhang et al.
Title: SYSTEM AND METHOD FOR PROTECTING NTFS DEDUPLICATION VOLUMES

Fei GorgJun

Docket No. 2386.0811/81. Client Ref. No. 2813 1970

Assignor:

(Signature):

Name: Gong jun Fei

City/State: Beijing, China

Date:

013/5

Assignment
Assignment: Haiyang Zhang et al.
Title: SYSTEM AND METROD FOR PROTECTING NTPS DEDUPLICATION VOLUMES Page 5 of 6

Shang, Gwozian

Decker No. 2586-081(38). Chest Ref. No. 20131030

Assignor:

(Signature):

Name: Guoxian Shang

City/State: Beijing, China

Date:

Assignment
Assignors: Haiyang Zhang et al.
Title: SYSTEM AND METHOD FOR PROTECTING NTFS DEDUPLICATION VOLUMES
Page 6 of 6

Dockst No. 2585,081US1 Client Ref. No. 20131070

Assignor:

(Signature): ユルカロ

Name: Shaorong Li

City/State: Beijing, China

Date: 2012/5/7

PATENT REEL: 030377 FRAME: 0398

**RECORDED: 05/08/2013**