

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>YAN-SONG ZHANG</td> <td>05/25/2012</td> </tr> <tr> <td>SHAN WANG</td> <td>05/25/2012</td> </tr> <tr> <td>XUAN ZHOU</td> <td>05/25/2012</td> </tr> <tr> <td>MIN JIAO</td> <td>05/25/2012</td> </tr> <tr> <td>ZHAN-WEI WANG</td> <td>05/25/2012</td> </tr> </tbody> </table>		Name	Execution Date	YAN-SONG ZHANG	05/25/2012	SHAN WANG	05/25/2012	XUAN ZHOU	05/25/2012	MIN JIAO	05/25/2012	ZHAN-WEI WANG	05/25/2012
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RECEIVING PARTY DATA													
Name:	RENMIN UNIVERSITY OF CHINA												
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City:	BEIJING CITY												
State/Country:	CHINA												
Postal Code:	100872												
PROPERTY NUMBERS Total: 1													
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13514291</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13514291								
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Application Number:	13514291												
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NAME OF SUBMITTER:	CHENG-JU CHIANG												
Total Attachments: 2 source=ESSEN-00319-Assignment#page1.tif source=ESSEN-00319-Assignment#page2.tif													

CH \$40.00 13514291

ASSIGNMENT OF APPLICATION

I/We, ZHANG, Yan-song; WANG, Shan; ZHOU, Xuan; JIAO, Min; WANG, Zhan-wei, whose residence and post office address is as stated below next to my/our name, hereafter referred to as applicant, have invented certain new and useful improvements in

ACCESS OPTIMIZATION METHOD FOR MAIN MEMORY DATABASE
BASED ON PAGE -COLORING

- ☐ for which an application for a United States Patent was filed on _____
Serial No. _____
- ☒ for which an application for a United States Patent was executed on May 25, 2012
and

Whereas, Renmin University of China, a corporation of China herein referred to "assignee" whose mailing address is No.59, Zhongguancun Street, Haidian District Beijing 100872 China, is desirous of acquiring the entire right, title and interest in the same;

Now, therefore, in consideration of the sum of one dollars (\$1.00), the receipt whereof is acknowledged, and other good and valuable consideration, We/I, the applicant, by these presents do sell, assign and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire right, title and interest in and to any and all Patents which be granted therefore and any and all extensions, divisions, reissues, continuations, or continuations-in-part thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agrees that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agrees to transfer a like interest, and to render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, upon request of the said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, in and to any improvements, and applications for patent based thereon, growing out of or related to the said invention; and to execute any papers by the said ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

Executed on 2012-5-25

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