

PATENT ASSIGNMENT COVER SHEET

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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>YI DAI</td><td>06/10/2014</td></tr><tr><td>JAIRAM RAMANATHAN</td><td>06/10/2014</td></tr><tr><td>HUGH ZHANG</td><td>06/10/2014</td></tr><tr><td>PRASHANT SINGH</td><td>06/10/2014</td></tr></tbody></table>	Name	Execution Date	YI DAI	06/10/2014	JAIRAM RAMANATHAN	06/10/2014	HUGH ZHANG	06/10/2014	PRASHANT SINGH	06/10/2014	
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YI DAI	06/10/2014										
JAIRAM RAMANATHAN	06/10/2014										
HUGH ZHANG	06/10/2014										
PRASHANT SINGH	06/10/2014										
RECEIVING PARTY DATA											
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State/Country:	CALIFORNIA										
Postal Code:	94065										
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>14302924</td></tr></tbody></table>	Property Type	Number	Application Number:	14302924							
Property Type	Number										
Application Number:	14302924										
CORRESPONDENCE DATA											
Fax Number:	(703)610-8686										
<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>											
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Address Line 2:	SUITE 500										
Address Line 4:	TYSONS CORNER, VIRGINIA 22102-3833										
ATTORNEY DOCKET NUMBER:	T9049-20434US01										
NAME OF SUBMITTER:	BARRY S. GOLDSMITH										
SIGNATURE:	/Barry S. Goldsmith/										
DATE SIGNED:	06/12/2014										
Total Attachments: 2											
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PATENT
REEL: 033090 FRAME: 0569

ASSIGNMENT OF APPLICATION FOR PATENT

WHEREAS:

- (A) Yi DAI, residing in Winchester, MA;
- (B) Jairam RAMANATHAN, residing in Waltham, MA;
- (C) Hugh ZHANG, residing in Winchester, MA; and
- (D) Prashant SINGH, residing in Lexington, MA;

(hereinafter referred to as ASSIGNOR(S)), has made a discovery and/or invention entitled:

ATTRIBUTE BASED MAP MARKER CLUSTERING

- for which application for Letters Patent of the United States has been executed on even date herewith,
- for which application for Letters Patent of the United States has been filed **June 12, 2014** under Application No. **14/302,924** , and

WHEREAS:

Oracle International Corporation, a corporation of California, having a business address of 500 Oracle Parkway, Mail Stop 5OP7, Redwood Shores, CA 94065

and which, together with its successors, assigns, and legal representatives, is hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in, to and under said invention and in, to and under Letters Patent or similar legal protection to be obtained therefor in the United States and in any and all foreign countries.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN:

Be it known that for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S) hereby sells, assigns and transfers to ASSIGNEE, the full and exclusive right, title and interest to said discovery or invention in the United States and its territorial possessions and in all foreign countries and to all Letters Patent or similar legal protection in the United States and its territorial possessions and in any and all foreign countries to be obtained for said invention by said application or any continuation, continuation-in-part, divisional, reexamination, renewal, substitute, reissue and/or any application claiming priority thereof, including any legal equivalent thereof, in a foreign country for the full term or terms for which the same may be granted.

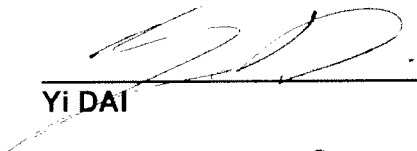
I, SAID ASSIGNOR(S), hereby authorize and request the Commissioner of Patents and Trademarks of the United States of America and any Official of any country or countries foreign to the United States of America whose duty it is to issue Letters Patent on applications as aforesaid, to issue all such Letters Patent for said discovery or invention to the ASSIGNEE, as assignee of the entire right, title and interest in, to and under the same, for the sole use and benefit of the ASSIGNEE in accordance with the terms of this instrument.


I, SAID, ASSIGNOR(S), hereby covenant with ASSIGNEE that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned and that I have full right to convey the entire right, title and interest herein sold, assigned, transferred and set over;

AND I, SAID ASSIGNOR(S) hereby further covenant and agree that the ASSIGNEE may apply for foreign Letters Patent on said discovery or invention and claim the benefits of the International Convention, and that I will, at any time, when called upon to do so by the ASSIGNEE communicate to the ASSIGNEE as the case may be, any facts known to me respecting said discovery or invention, and execute and deliver any and all lawful papers that may be necessary or desirable to perfect the title to the said discovery or invention, the said applications and the said Letters Patent in the ASSIGNEE and that if reissues or reexaminations of the said Letters Patent or disclaimers relating thereto, or divisionals, continuations, continuation-in-parts of the said applications shall hereafter be desired by the ASSIGNEE, I will, at any time, when called upon to do so by the ASSIGNEE sign all lawful papers, make all rightful oaths, execute and deliver all such disclaimers and all divisional, continuation, continuation-in-part, reexamination, and reissue applications so desired, and do all lawful acts requisite for the application for such continuations, continuation-in-parts, divisionals, reexaminations, or reissues and the procuring thereof and for the filing of such disclaimers and such applications, and generally do everything possible to aid the ASSIGNEE to obtain and enforce proper patent protection for said invention or discovery in all countries, all without further compensation but at the expense of the ASSIGNEE.

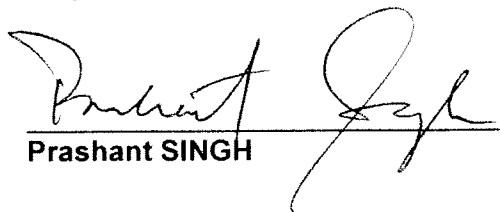
ASSIGNOR hereby authorizes and requests the prosecuting law firm to insert herein above the application number and filing date of said application when known.

Inventor(s): Please Sign and Date Below:

(A) 
Yi DAI Date: 6/10/14

(B) 
Jairam RAMANATHAN Date: 6-10-14

(C) 
Hugh ZHANG Date: 6/10/14

(C) 
Prashant SINGH Date: 6-10-14