

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>XUGANG SHEN</td> <td>03/14/2013</td> </tr> <tr> <td>QINGSHENG ZHANG</td> <td>03/14/2013</td> </tr> <tr> <td>TODD J. LITTLE</td> <td>03/13/2013</td> </tr> </tbody> </table>		Name	Execution Date	XUGANG SHEN	03/14/2013	QINGSHENG ZHANG	03/14/2013	TODD J. LITTLE	03/13/2013
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XUGANG SHEN	03/14/2013								
QINGSHENG ZHANG	03/14/2013								
TODD J. LITTLE	03/13/2013								
RECEIVING PARTY DATA									
Name:	ORACLE INTERNATIONAL CORPORATION								
Street Address:	500 ORACLE PARKWAY								
Internal Address:	MAIL STOP 50P7								
City:	REDWOOD SHORES								
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>13829246</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13829246				
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Application Number:	13829246								
CORRESPONDENCE DATA									
Fax Number:									
Email:	officeactions@fdml.com								
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ATTORNEY DOCKET NUMBER:	ORACL-05423US2								
NAME OF SUBMITTER:	KUIRAN LIU								
Signature:	/Kuiran Liu/								
Date:	01/13/2014								

Total Attachments: 4

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source=5423us2_Little#page1.tif

source=5423us2_Little#page2.tif

ASSIGNMENT OF APPLICATION FOR PATENT

WHEREAS:

Xugang Shen, a resident of Beijing, China, and

Qingsheng Zhang, a resident of Beijing, China, and

Todd J. Little, a resident of Palatine, Illinois

(full name(s) and city and state of residence of inventor(s) (including country))

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

SYSTEM AND METHOD FOR SUPPORTING APPLICATION INTEROPERATION IN A
TRANSACTIONAL MIDDLEWARE ENVIRONMENT

for which application for Letters Patent of the United States has been executed
on _____,

for which an application for Letters Patent of the United States has been filed on March
14, 2013, under Application No. 13/829,246, 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:

(1) Xugang Shen Date: 2013.3.14
Xugang Shen

(2) Qingsheng Zhang Date: 2013.3.14
Qingsheng Zhang

(3) _____ Date: _____
Todd J. Little

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invention and in, to and under Letters Patent or similar legal protection to be obtained therefor in
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NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN:

Be it known that for good and valuable consideration, the receipt of which is hereby
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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.

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(1) _____ Date: _____
Xugang Shen

(2) _____ Date: _____
Qingsheng Zhang

(3) Todd J. Little Date: 3/13/12
Todd J. Little