

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>Guoliang Li</td> <td>05/03/2013</td> </tr> <tr> <td>Xuezhe Zheng</td> <td>05/03/2013</td> </tr> <tr> <td>Ashok V. Krishnamoorthy</td> <td>05/03/2013</td> </tr> </tbody> </table>		Name	Execution Date	Guoliang Li	05/03/2013	Xuezhe Zheng	05/03/2013	Ashok V. Krishnamoorthy	05/03/2013				
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<table border="1"> <tr> <td>Name:</td> <td>Oracle International Corporation</td> </tr> <tr> <td>Street Address:</td> <td>500 Oracle Parkway</td> </tr> <tr> <td>Internal Address:</td> <td>Mail Stop 5OP7</td> </tr> <tr> <td>City:</td> <td>Redwood City</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>94065</td> </tr> </table>		Name:	Oracle International Corporation	Street Address:	500 Oracle Parkway	Internal Address:	Mail Stop 5OP7	City:	Redwood City	State/Country:	CALIFORNIA	Postal Code:	94065
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CORRESPONDENCE DATA													
<p>Fax Number: 5307591665 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 530-759-1661 Email: joanne@parklegal.com</p> <p>Correspondent Name: A. Richard Park Address Line 1: Park, Vaughan, Fleming & Dowler LLP Address Line 2: 2820 Fifth Street Address Line 4: Davis, CALIFORNIA 95618</p>													
ATTORNEY DOCKET NUMBER:	ORA12-0777												
NAME OF SUBMITTER:	A. Richard Park, Reg. No. 41,241												
Signature:	/A. Richard Park/												

OP \$40.00 13890140

Date:

06/19/2013

Total Attachments: 2

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CORPORATE ASSIGNMENT

WHEREAS, the undersigned,

Guoliang Li	11341 Canter Heights Drive, San Diego, CA 92130
Xuezhe Zheng	12442 Dormouse Road, San Diego, CA 92129
Ashok V. Krishnamoorthy	16132 Cayenne Creek Road, San Diego, CA 92127

hereinafter termed "Inventor(s)", have invented certain new and useful improvements in

OPTICAL COMPONENTS HAVING A COMMON ETCH DEPTH

and have executed a declaration or oath for an application for a United States patent disclosing and identifying the invention:

___ On the ___ day of _____, 20___;

Or

X Said application having Application Number 13/890,140 and filed on 08 May 2013 and

WHEREAS, Oracle International Corporation, a corporation of the State of California, having a place of business at 500 Oracle Parkway, Mail Stop 50P7, Redwood City, CA 94065, (hereinafter termed "Assignee"), is desirous of acquiring the entire right, title and interest in and to said application and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered jointly or severally by said Inventor(s) (all collectively hereinafter termed "said invention"), and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter termed "patents") thereon granted in the United States and foreign countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventor(s) to have been received in full from said Assignee:

1. Said Inventor(s) do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to said application and said invention; (b) in and to all rights to apply for foreign patents on said invention pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all applications filed and any and all patents granted on said invention in the United States or any foreign country, including each and every application filed and each and every patent granted on any application which is a divisional, substitution, continuation, or continuation-in-part of any of said applications; and (d) in and to each and every reissue or extensions of any of said patents.

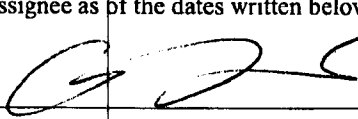
2. Said Inventor(s) hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and foreign countries. Such cooperation by said Inventor(s) shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (d) for filing and prosecuting applications for reissuance of any said patents; (e) for interference or other priority proceedings involving said invention; and (f) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without

limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventor(s) in providing such cooperation shall be paid for by said Assignee.

3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventor(s), their respective heirs, legal representatives and assigns.

4. Said Inventor(s) hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

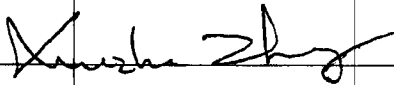
IN WITNESS WHEREOF, said Inventor(s) have executed and delivered this instrument to said Assignee as of the dates written below.



Guoliang Li

5/3/2013

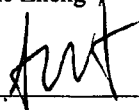
Date



Xuezhe Zheng

5/3/2013

Date



Ashok V. Krishnamoorthy

5/3/2013

Date

Date

Date