

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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>DMITRIJS F. SAPOVALOV</td> <td>01/05/2012</td> </tr> <tr> <td>KOWSIK GURUSWAMY</td> <td>01/06/2012</td> </tr> <tr> <td>VASAN R. SUNDAR</td> <td>12/09/2011</td> </tr> </tbody> </table>		Name	Execution Date	DMITRIJS F. SAPOVALOV	01/05/2012	KOWSIK GURUSWAMY	01/06/2012	VASAN R. SUNDAR	12/09/2011
Name	Execution Date								
DMITRIJS F. SAPOVALOV	01/05/2012								
KOWSIK GURUSWAMY	01/06/2012								
VASAN R. SUNDAR	12/09/2011								
RECEIVING PARTY DATA									
Name:	MU DYNAMICS, INC.								
Street Address:	686 WEST MAUDE AVENUE								
Internal Address:	SUITE 104								
City:	SUNNYVALE								
State/Country:	CALIFORNIA								
Postal Code:	94085								
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>13279983</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13279983				
Property Type	Number								
Application Number:	13279983								
CORRESPONDENCE DATA									
Fax Number:	(212)536-3901								
Phone:	2125363900								
Email:	NYPatentFilings@klgates.com								
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>									
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Address Line 1:	K&L GATES LLP								
Address Line 2:	599 LEXINGTON AVENUE								
Address Line 4:	NEW YORK, NEW YORK 10022-6030								
ATTORNEY DOCKET NUMBER:	1401861.00009								
NAME OF SUBMITTER:	Beata White								

CH \$40.00 13279983

Total Attachments: 4

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ASSIGNMENT

WHEREAS, We, **Dmitrijs F. SAPOVALOV**s, **Kowsik GURUSWAMY** and **Sundar VASAN** have invented one or more inventions described in an application (or provisional application) for Letters Patent of the United States entitled:

PASS-THROUGH TESTING USING MESSAGE EXCHANGE IDENTIFIERS

and identified by

Attorney Docket No. _____, and/or executed by us on even date herewith and about to be filed in the United States Patent Office; and

Application No. **13/279,983** filed in the United States Patent and Trademark Office on **October 24, 2011** (hereinafter “said application”);and

WHEREAS, **Mu Dynamics, Inc.** (hereinafter “ASSIGNEE”), a **corporation organized and existing under the laws of the State of Delaware**, and having a usual place of business at **686 West Maude Avenue, Suite 104, Sunnyvale, CA 94085**, desires to acquire an interest therein, in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, at least as early as the filing date of said application, our entire right, title and interest in and throughout the United States of America, its territories, and all foreign countries in and to the invention(s) described in said application, together with our entire right, title and interest in and to said application and such Letters Patent as may issue thereon or claim priority or benefit under United States law or international convention, including but not limited to international applications, nonprovisionals, continuations, divisionals, reissues, reexaminations, extensions, and substitutions of said application or such Letters Patent, and any right, title and interest we may have in provisional applications to which said application claims priority; said invention(s), applications and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all of our rights arising under or pursuant to any and all United States laws, foreign laws and international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent, including but not limited to any cause(s) of action and damages accruing prior to this assignment. We hereby acknowledge that this assignment, being of our entire right, title and interest in and to said invention(s), carries with it the right in ASSIGNEE to apply for and obtain from the United States Patent and Trademark Office, and foreign Patent Offices, any and all Letters Patent by attorneys and agents of ASSIGNEE’s selection and the right to procure the grant of all Letters Patent to ASSIGNEE in its own name as assignee of our entire right, title and interest therein;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention(s) to said ASSIGNEE, its successors, assigns, and legal representatives, but at its or their expense and charges, including the execution of nonprovisional, substitution, continuation, divisional, reissue or reexamination.

AND, we hereby further agree to provide statements or testimony in any interference or other proceeding in which said invention(s) or any application or patent directed thereto may be involved;

AND, we hereby authorize ASSIGNEE or its attorneys or agents to insert the correct application number and filing date into this assignment, if none is indicated on the date of our execution of this assignment;

AND, we hereby authorize and request the Director of the United States Patent and Trademark Office to issue such Letters Patent as shall be granted upon said application, or applications based thereon, to said ASSIGNEE, its successors, assigns, or legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals on the date(s) set forth below.

Date: 01/05/12

Inventor: 
Dmitrijs F. SAPOVALOVŠ

Date: 01/06/12

Inventor: 
Kowsik GURUSWAMY

Date: _____

Inventor: _____
Sundar VASAN

ASSIGNMENT

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AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention(s) to said ASSIGNEE, its successors, assigns, and legal representatives, but at its or their expense and charges, including the execution of nonprovisional, substitution, continuation, divisional, reissue or reexamination.

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Date: _____

Inventor: _____
Dmitrijs F. SAPOVALOVS

Date: _____

Inventor: _____
Kowsik GURUSWAMY

Date: 12/9/2012

Inventor: V. P. Sundar
Sundar VASAN