

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>Xuebo Liang</td> <td>03/04/2013</td> </tr> <tr> <td>Vincent Lavoie</td> <td>03/04/2013</td> </tr> <tr> <td>Wanling Zhang</td> <td>03/04/2013</td> </tr> <tr> <td>Alain Gauthier</td> <td>03/06/2013</td> </tr> <tr> <td>Roman Sauber</td> <td>03/04/2013</td> </tr> <tr> <td>Jonathan Viau</td> <td>03/04/2013</td> </tr> </tbody> </table>		Name	Execution Date	Xuebo Liang	03/04/2013	Vincent Lavoie	03/04/2013	Wanling Zhang	03/04/2013	Alain Gauthier	03/06/2013	Roman Sauber	03/04/2013	Jonathan Viau	03/04/2013
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Wanling Zhang	03/04/2013														
Alain Gauthier	03/06/2013														
Roman Sauber	03/04/2013														
Jonathan Viau	03/04/2013														
RECEIVING PARTY DATA															
Name:	SAP AG														
Street Address:	Dietmar-Hopp-Allee 16														
City:	Walldorf														
State/Country:	GERMANY														
Postal Code:	D-69190														
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>13791623</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13791623										
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Application Number:	13791623														
CORRESPONDENCE DATA															
Fax Number:	6123393061														
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
Phone:	612-373-6900														
Email:	uspto@slwip.com														
Correspondent Name:	SCHWEGMAN, LUNDBERG & WOESSNER/SAP														
Address Line 1:	P.O. BOX 2938														
Address Line 4:	MINNEAPOLIS, MINNESOTA 55402														
ATTORNEY DOCKET NUMBER:	2058.829US1														
NAME OF SUBMITTER:	Dawn R. Shaw														

CH \$40.00 13791623

Total Attachments: 8

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ASSIGNMENT

WHEREAS, Xuebo Liang, Vincent Lavole, Wanling Zhang, Alain Gauthier, Roman Sauber and Jonathan Viau (hereinafter the "Undersigned") have made one or more inventions and other subject matter (hereinafter collectively referred to as the "Invention") which are described in a patent application filed on _____, which application was assigned US patent application serial number _____, and which is titled Computer Execution Progress Indicator.

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency, and adequacy of which are hereby acknowledged by the Undersigned, the Undersigned do hereby irrevocably and unconditionally:

CONVEY, ASSIGN, AND TRANSFER to SAP AG (the "Assignee"), a corporation of the Country of Germany, having a place of business at Dietmar-Hopp-Allee 16, Walldorf D-69190, Germany, the Undersigned's entire right, title, and interest for the United States and all foreign countries and jurisdictions in and to:

the Invention which is disclosed in the above-identified application or applications;

such application or applications, and all divisional, continuing (including continuation-in-part), substitute, renewal, reissue, and all other applications for a patent or patents which have been or shall be filed in the United States (including all provisional and non-provisional applications), and in all foreign countries and jurisdictions based in whole or in part on any of such Invention (including any application for a utility model or an innovation patent application);

all original and reissued patents which have been or shall be issued in the United States and all foreign countries and jurisdictions based in whole or in part on any of such Invention;

including the right to claim priority to the above-identified patent application or applications in relation to subject matter based in whole or in part on the above-identified patent application or applications and any of the foregoing including the right to file foreign applications under the provisions of any convention or treaty;

and including the right to all causes of action, remedies, and other enforcement rights related to the above-identified application or applications, including without limitation the right to sue for past, present, or future infringement, misappropriation, or violation of any and all rights related to the above-identified patent application or applications and any of the foregoing, including the right to obtain and collect damages for past, present, or future infringement;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such Invention to the Assignee;

AUTHORIZE AND REQUEST that any attorney associated with U.S. Patent and Trademark Office (USPTO) Customer No. 50400 may (directly or through his/her designee) delete, insert, or alter any information related to the above-identified patent application or applications or any of the foregoing, after execution of this Assignment;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or shall be made to others by the Undersigned, and that the full right to convey the same as herein expressed is possessed by the Undersigned;

COVENANT, that when requested and without compensation, but at the expense of the Assignee, in order to carry out in good faith the intent and purpose of this Assignment, the Undersigned shall (1) execute all provisional, non-provisional, divisional, continuing (including continuation-in-part), substitute, renewal, reissue, and all other patent applications for the Invention; (2) execute all rightful oaths, declarations, assignments, powers of attorney and other papers for the Invention; (3) communicate to the Assignee all facts known to the Undersigned relating to the Invention and the history thereof; (4) cooperate with the Assignee in any interference, reexamination, reissue, opposition, dispute, or litigation involving any of the applications or patents for the Invention; and (5) take such further actions as the Assignee shall reasonably consider necessary or desirable for vesting title to such Invention in the Assignee, or for securing, maintaining and enforcing proper patent protection for the Invention;

COVENANT, that should any provision of this agreement be held unenforceable by an authority of competent jurisdiction, such a ruling shall not affect the validity and enforceability of the remaining provisions. To the extent that any such provision is found to be unenforceable, the Undersigned, when requested and without compensation shall act in good faith to substitute for such provision a new provision with content and purpose as close as possible to the provision deemed unenforceable.

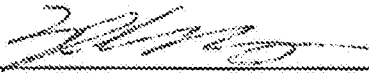
THIS AGREEMENT IS TO BE BINDING on the heirs, assigns, representatives, and successors of the Undersigned, and is to extend to the benefit of the successors, assigns, and nominees of the Assignee.

AGREED as of the date of my signature below:

Assignment
Assignors: Xuebo Liang et al
Title: Computer Execution Progress Indicator
Page 3 of 8

Docket No: 2052.829US1
Client Ref. No. 120482US01

Assignor:


(Signature): 

Name: Xuebo Liang

City/State: Brossard, Canada

Date: March 25, 2013

Witness:

 / 2013-03-04
Signature/Date

Jonathan Vick
Full Name (Printed)

Assignor:

(Signature): V-Lavoie

Name: Vincent Lavoie

City/State: Montreal, Canada

Date: 03/04/2013

Witness:

[Signature] / 2013-03-04
Signature/Date

Jonathan Viau
Full Name (Printed)

Assignment
Assignors: Xuebo Liang et al.
Title: Computer Execution Progress Indicator
Page 5 of 8

Docket No: 2058.829US1
Client Ref. No. 120482US01

Assignor:

(Signature): Wanling Zhang

Name: Wanling Zhang

City/State: Montreal, Canada

Date: March 04, 2013


Witness:

[Signature] / 2013-03-04
Signature/Date

Jonathan Viau
Full Name (Printed)

Assignor:


(Signature):


Name: Alain Gauthier

City/State: Montreal, Canada

Date: 06 March 2013

Witness:


Signature/Date

2013-03-06

Jonathan Viau

Full Name (Printed)

Assignment
Assignors: Xuebo Liang et al.
Title: Computer Execution Progress Indicator
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Docket No: 2058.829US1
Client Ref. No. 120482US01

Assignors:


(Signature):

Name: Roman Sauber

City/State: Montreal, Canada

Date: March 4 2013

Witness:


Signature/Date

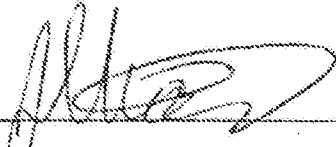
2013-03-04

Jonathan Viau

Full Name (Printed)

Assignor:


(Signature):


Name: Jonathan Viau

City/State: St-Hubert, Canada

Date: 2013-03-04

Witness:


Signature/Date March 4th, 2013

Xuebo Liang
Full Name (Printed)