PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2928590

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date	
SANJEET MALL	12/17/2013	

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

Property Type	Number	
Application Number:	14062023	

CORRESPONDENCE DATA

Fax Number:

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.

Email: request@slwip.com

Correspondent Name: SCHWEGMAN, LUNDBERG & WOESSNER, P.A.

Address Line 1: P.O. BOX 2938

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ATTORNEY DOCKET NUMBER:	2058.905US1
NAME OF SUBMITTER:	STEFANIE L RICKS
SIGNATURE:	/ Stefanie L Ricks /
DATE SIGNED:	07/08/2014

Total Attachments: 10

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PATENT REEL: 033257 FRAME: 0254

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RECORDATION FORM COVER SHEET PATENTS ONLY

Atty Ref/Docket No.: 2058.905US1 Patent and Trademark Office To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof. 2. Name and address of receiving party(ies): 1. Name of conveying party(ies): Name: SAP AG Sanjeet Mall Street Address: Dietmar-Hopp-Allee 16 Additional name(s) of conveying party(ies) attached? City: Walldorf, D-69190 []Yes [X]No Country: Germany 3. Nature of conveyance: Additional name(s) & address(es) attached? []Yes XNo [X] Assignment Merger [] Security Agreement [] Change of Name [] Other Execution Date: December 17, 2013 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: A. Patent Application No.(s) B. Patent No.(s) Serial No. 14/062,023 Additional numbers attached? []Yes [X]No 6. Total number of applications and patents involved: 1 5. Name and address of party to whom correspondence concerning document should be mailed: 7. Total fee (37 CFR 3.41):\$ 0.00 Name: Marc S. Hanish ∏Enclosed [Authorized to be charged to deposit account Address: 19-0743 Schwegman, Lundberg & Woessner, P.A. P.O. Box 2938 8. Please charge any additional fees or credit any over Minneapolis, MN 55402--0938 payments to our Deposit Account No.: 19-0743 DO NOT USE THIS SPACE Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Marc S. Hanish/Reg. No. 42,626 Name of Person Signing Signature Total number of pages including cover sheet: 10 Mail documents to be recorded with required cover sheet information to: Commissioner of Patents and Trademarks Mail Stop Assignment Recordation Services

Alexandria, VA 22313-1450

P.O. Box 1450

ASSIGNMENT

WHEREAS, Sanjeet Mall, Hans Kedefors, Karsten Hinrichs, Karoly Nyisztor, Zoltan Farkas, David Egresits and Clement Selvaraj (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 October 24, 2013, which application was assigned US patent application serial number 14/062,023, and which is titled EXTENSIBLE APPLICATIONS USING A MOBILE APPLICATION FRAMEWORK; which are described in a patent application filed on July 31, 2013, which application was assigned US application serial number 61/860,703, and which is titled MOBILE APPLICATION FRAMEWORK EXTENSIBILITY; which are described in a patent application filed on July 31, 2013, which application was assigned US application serial number 61/860,716, and which is titled Logon Manager.

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 State 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;

Assignors: Sanjeet Mall et al.

Title: EXTENSIBLE APPLICATIONS USING A MOBILE APPLICATION FRAMEWORK

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Docket No: 2058.905US1

Client Ref. No. 131124US01

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:

Assignors: Sanjor Mall et al.
Title: EXTENSIBLE APPLICATIONS USING A MOBILE APPLICATION FRAMEWORK Page 3 of 9 Assignor: (Signature): Name: Sanjeet Mall City/State: Heidelberg, Germany Date: Witness: Signature/Date

Full Name (Printed)

Assignment

PATENT REEL: 033257 FRAME: 0259

Docket No: 2058,905US1

Client Ref. No. 131124US01

Assignors: Sanjeet Mall et al.
Title: EXTENSIBLE APPLICATIONS USING A MOBILE APPLICATION FRAMEWORK
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Docket No: 2058.905US1 Client Ref. No. 131124US01

Assignor:		
(Signature):		
	Name: <u>Hans Kedefors</u> City/State: Hillsborough, CA	
Date:		

Docket No: 2058.905US1 Assignors: Sanjeet Mall et al.
Title: EXTENSIBLE APPLICATIONS USING A MOBILE APPLICATION FRAMEWORK
Page 5 of 9 Client Ref. No. 131124US01

Assignor:	
(Signature):	
	Name: Karsten Hinrichs City/State: Ludwigshafen, Germany
Date:	

Assignment

Assignor: (Signature): Name: Karoly Nyisztor City/State: Dunakeszi, Pest Date:

> **PATENT REEL: 033257 FRAME: 0262**

Docket No: 2058.905US1

Client Ref. No. 131124US01

Assignment Assignors: Sanjeet Mall et al.
Title: EXTENSIBLE APPLICATIONS USING A MOBILE APPLICATION FRAMEWORK
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Assignor:	
(Signature):	
	Name: Zoltan Farkas City/State: Hernadnemeti, BAZ.
Date:	

PATENT REEL: 033257 FRAME: 0263

Docket No: 2058.905US1

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Docket No: 2058.905US1 Assignors: Sanjeet Mall et al.
Title: EXTENSIBLE APPLICATIONS USING A MOBILE APPLICATION FRAMEWORK
Page 8 of 9 Client Ref. No. 131124US01

Assignor:		
(Signature):		
	Name: David Egresits City/State: Sopron, Hungary	
Date:		

Assignment Docket No: 2058.905US1
Assignors: Sanjeet Mall et al. Client Ref. No. 131124US01
Title: EXTENSIBLE APPLICATIONS USING A MOBILE APPLICATION FRAMEWORK
Page 9 of 9

Assignor:		
(Signature):		
	Name: Clement Selvaraj	
	City/State: Bangalore, India	
Date:		

RECORDED: 07/08/2014