504737902 01/19/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4784628

SUBMISSION TYPE:		NEW ASSIGNMENT	
NATURE OF CONVEYAN	ICE:	ASSIGNMENT	
CONVEYING PARTY DA	ATA		
		Name	Execution Date
TINA RAUSCHENBACH			08/30/2016
CAROLIN SEEL			10/25/2017
ANNETTE JANN			07/20/2016
JAN-MICHEL BLINN			07/20/2016
MELANIE SIEGMANN			10/25/2017
ROMAN ROMMEL			07/20/2016
DENIS TIMUR			07/21/2016
MELANIE MARSCHALL			10/25/2017
JEONG-SOOK LEE			08/25/2016
JAMILA SCHON			10/25/2017
City: State/Country: Postal Code: PROPERTY NUMBERS	WALLDORF GERMANY 69190 Total: 1		
Property Type		Number	
Application Number:	2956	4083	
	ATA		
Fax Number:			
		e-mail address first; if that is uns hat is unsuccessful, it will be sen	
Phone:			
		avides@skgf.com, amottley@skgf.	
•		RNE, KESSLER, GOLDSTEIN & FO	DX PLLC
		NEW YORK AVE NW HINGTON, D.C. 20005	
	**/\0		
ATTORNEY DOCKET NU		1933.3670000	

NAME OF SUBMITTER:	IVY CLARICE ESTOESTA
SIGNATURE:	/Ivy Clarice Estoesta, #74,612/
DATE SIGNED:	01/19/2018
Total Attachments: 27	
source=19333670000#page1.tif	
source=19333670000#page2.tif	
source=19333670000#page3.tif	
source=19333670000#page4.tif	
source=19333670000#page5.tif	
source=19333670000#page6.tif	
source=19333670000#page7.tif	
source=19333670000#page8.tif	
source=19333670000#page9.tif	
source=19333670000#page10.tif	
source=19333670000#page11.tif	
source=19333670000#page12.tif	
source=19333670000#page13.tif	
source=19333670000#page14.tif	
source=19333670000#page15.tif	
source=19333670000#page16.tif	
source=19333670000#page17.tif	
source=19333670000#page18.tif	
source=19333670000#page19.tif	
source=19333670000#page20.tif	
source=19333670000#page21.tif	
source=19333670000#page22.tif	
source=19333670000#page23.tif	
source=19333670000#page24.tif	
source=19333670000#page25.tif	
source=19333670000#page26.tif	
source=19333670000#page27.tif	

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventors: Tina Rauschenbach, Carolin Klimek, Annette Jann, Jan-Michel Blinn, Melanie Siegmann, Roman Rommel, Denis Timur, Melanie Marschall, Jeong-Sook Lee and Jamila Schon, hereby sell and assign to SAP SE, a corporation formed under the laws of Germany, whose mailing address is Dietmar-Hopp-Allee 16, Walldorf, Germany 69190 (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

(a) in the invention(s) known as **GRAPHICAL USER INTERFACE FOR A DISPLAY SCREEN OR PORTION THEREOF** for which application(s) for patent in the United States of America has a filing date or a 371(c) date of May 10, 2016 (also known as United States Application No. 29/564,083), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all applications that claim the benefit of the patent application listed above in part (a), including non-provisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventors agree to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventors hereby grant the patent practitioners associated with **CUSTOMER NUMBER 82515** the power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

The undersigned inventors hereby represent that he/she understands that the patent practitioners associated with CUSTOMER NUMBER 82515 are the legal representatives of, and attorneys for, the assignee, and are <u>NOT</u> the legal representatives of, and attorneys for, the inventors.

IN WITNESS WHEREOF, executed by the undersigned inventors on the date opposite his/her name.

Date: 30.08.2016	Signature of Inventor:	Tina Rauschenbach
Date:	Signature of Inventor:	Carolin Klimek
Date:	Signature of Inventor:	Annette Jann
Date:	Signature of Inventor:	Jan-Michel Blinn
Date:	Signature of Inventor:	Melanie Siegmann
Date:	Signature of Inventor:	Roman Rommel

Page 2 of 3

Date:	Signature of Inventor: _	
	-	Denis Timur
Date:	Signature of Inventor:	
		Melanie Marschall
Date:	Signature of Inventor: _	
		Jeong-Sook Lee
Date:	Signature of Inventor: _	www.www.usu.com.usu.com.usu.com.usu.com.usu.com.usu.com.usu.com.usu.com.usu.com.usu.com.usu.com.usu.com.usu.com
	-	Jamila Schon

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventors: Tina Rauschenbach, Carolin Seel, Annette Jann, Jan-Michel Blinn, Melanie Siegmann, Roman Rommel, Denis Timur, Melanie Marschall, Jeong-Sook Lee and Jamila Schon, hereby sell and assign to SAP SE, a corporation formed under the laws of Germany, whose mailing address is Dietmar-Hopp-Allee 16, Walldorf, Germany 69190 (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

(a) in the invention(s) known as GRAPHICAL USER INTERFACE FOR A DISPLAY SCREEN OR PORTION THEREOF for which application(s) for patent in the United States of America has a filing date or a 371(c) date of May 10, 2016 (also known as United States Application No. 29/564,083), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all applications that claim the benefit of the patent application listed above in part (a), including non-provisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventors agree to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventors hereby grant the patent practitioners associated with CUSTOMER NUMBER 82515 the power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

The undersigned inventors hereby represent that he/she understands that the patent practitioners associated with CUSTOMER NUMBER 82515 are the legal representatives of, and attorneys for, the assignee, and are <u>NOT</u> the legal representatives of, and attorneys for, the inventors.

IN WITNESS WHEREOF, executed by the undersigned inventors on the date opposite his/her name.

Date: 10/25/17	Signature of Inventor: VIC
Date: 28 101 25117	Signature of Inventor:Carolin Seel
Date:	Signature of Inventor:
Date: 10/25/17	Signature of Inventor: <u>Jun-March Blum</u> Jan-Michel Blinn
Date:	Signature of Inventor:
Date: 10/25/17	Signature of Inventor: <u>Potturel</u> Roman Rommel

Page 2 of 3

PATENT REEL: 045096 FRAME: 0883

Date: 0c4 25 20	Signature of Inventor	Appl. No. 29/564,083 SAP Ref. No.: 151470US01 SKGF Ref. No.: 1933.3670000 T. Denis Timur
Date:	Signature of Inventor	r: Melanie Marschall
Date:	Signature of Invento	r: Jeong-Sook Lee
Date: 25.10. 201	Y Signature of Invento	U CO
	Page 3 of 3	

REEL: 045096 FRAME: 0884

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventors: Tina Rauschenbach, Carolin Klimek, Annette Jann, Jan-Michel Blinn, Melanie Siegmann, Roman Rommel, Denis Timur, Melanie Marschall, Jeong-Sook Lee and Jamila Schon, hereby sell and assign to SAP SE, a corporation formed under the laws of Germany, whose mailing address is Dietmar-Hopp-Allee 16, Walldorf, Germany 69190 (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

(a) in the invention(s) known as **GRAPHICAL USER INTERFACE FOR A DISPLAY SCREEN OR PORTION THEREOF** for which application(s) for patent in the United States of America has a filing date or a 371(c) date of May 10, 2016 (also known as United States Application No. 29/564,083), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all applications that claim the benefit of the patent application listed above in part (a), including non-provisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventors agree to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventors hereby grant the patent practitioners associated with **CUSTOMER NUMBER 82515** the power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

The undersigned inventors hereby represent that he/she understands that the patent practitioners associated with CUSTOMER NUMBER 82515 are the legal representatives of, and attorneys for, the assignee, and are <u>NOT</u> the legal representatives of, and attorneys for, the inventors.

IN WITNESS WHEREOF, executed by the undersigned inventors on the date opposite his/her name.

Date:	Signature of Inventor:	
		Tina Rauschenbach
Date:	Signature of Inventor: _	
		Carolin Klimek
Date: 70.7.16	Signature of Inventor: _	\bigcirc
	0	Annette Jann
Date:	Signature of Inventor:	
		Jan-Michel Blinn
Date:	Signature of Inventor: _	
	- 3	Melanie Siegmann
	Clauster of Inventor	
Date:	Signature of Inventor: _	Roman Rommel
		I BANK A A A A A A A A A A A A A A A A A A



Date:	Signature of Inventor: _	Denis Timur
Date:	Signature of Inventor: _	Melanie Marschall
Date:	Signature of Inventor: _	Jeong-Sook Lee
Date:	Signature of Inventor: _	Jamila Schon

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventors: Tina Rauschenbach, Carolin Klimek, Annette Jann, Jan-Michel Blinn, Melanie Siegmann, Roman Rommel, Denis Timur, Melanie Marschall, Jeong-Sook Lee and Jamila Schon, hereby sell and assign to SAP SE, a corporation formed under the laws of Germany, whose mailing address is Dietmar-Hopp-Allee 16, Walldorf, Germany 69190 (hereafter referred to as the Assignee). his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

(a) in the invention(s) known as GRAPHICAL USER INTERFACE FOR A **DISPLAY SCREEN OR PORTION THEREOF** for which application(s) for patent in the United States of America has a filing date or a 371(c) date of May 10, 2016 (also known as United States Application No. 29/564,083), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all applications that claim the benefit of the patent application listed above in part (a), including non-provisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventors agree to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventors hereby grant the patent practitioners associated with **CUSTOMER NUMBER 82515** the power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

The undersigned inventors hereby represent that he/she understands that the patent practitioners associated with CUSTOMER NUMBER 82515 are the legal representatives of, and attorneys for, the assignee, and are <u>NOT</u> the legal representatives of, and attorneys for, the inventors.

IN WITNESS WHEREOF, executed by the undersigned inventors on the date opposite his/her name.

Date:	Signature of Inventor:	
		Tina Rauschenbach
Date:	Signature of Inventor:	
		Carolin Klimek
Date:	Signature of Inventor:	
		Annette Jann
Date: 07/10/16	Signature of Inventor:	Jan-Milen Blinn
	-	Jan-Michel Blinn
Date:	Signature of Inventor:	
		Melanie Siegmann
Date:	Signature of Inventor:	
	-	Roman Rommel
al had a metal here was a might be have a mark a fail and a fail had by have a fail to a market spectra and an	Page 2 of 3	

Date:	Signature of Inventor: _	Denis Timur
Date:	Signature of Inventor: _	Melanie Marschall
Date:	Signature of Inventor: _	Jeong-Sook Lee
Date:	Signature of Inventor: _	Jamila Schon

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventors: Tina Rauschenbach, Carolin Klimek, Annette Jann, Jan-Michel Blinn, Melanie Siegmann, Roman Rommel, Denis Timur, Melanie Marschall, Jeong-Sook Lee and Jamila Schon, hereby sell and assign to SAP SE, a corporation formed under the laws of Germany, whose mailing address is Dietmar-Hopp-Allee 16, Walldorf, Germany 69190 (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

(a) in the invention(s) known as **GRAPHICAL USER INTERFACE FOR A DISPLAY SCREEN OR PORTION THEREOF** for which application(s) for patent in the United States of America has a filing date or a 371(c) date of May 10, 2016 (also known as United States Application No. 29/564,083), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all applications that claim the benefit of the patent application listed above in part (a), including non-provisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The undersigned inventors agree to execute all papers necessary in connection with the application(s) and any non-provisional, continuing (continuation, divisional, or continuation-inpart), reissue, reexamination or corresponding application(s) thereof and also to execute separate

PATENT REEL: 045096 FRAME: 0891

assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventors agree to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventors hereby grant the patent practitioners associated with **CUSTOMER NUMBER 82515** the power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

The undersigned inventors hereby represent that he/she understands that the patent practitioners associated with CUSTOMER NUMBER 82515 are the legal representatives of, and attorneys for, the assignee, and are <u>NOT</u> the legal representatives of, and attorneys for, the inventors,

IN WITNESS WHEREOF, executed by the undersigned inventors on the date opposite his/her name.

Date:	Signature of Inventor:	
	-	Tina Rauschenbach
Date:	Signature of Inventor: _	
		Carolin Klimek
Date:	Signature of Inventor: _	************
		Annette Jann
Date:	Signature of Inventor:	and water and a second sec
		Jan-Michel Blinn
Date: 1012512017	Signature of Inventor:	Melaine no
	57 ⁷	Melanie Siegmaph
Date:	Signature of Inventor: _	V
		Roman Rommel

Page 2 of 3

Date:	Signature of Inventor:	
		Denis Timur
Date:	Signature of Inventor: _	
		Melanic Marschall
Date:	Signature of Inventor:	
		Jeong-Sook Lee
Date:	Signature of Inventor:	1/16.1/19.00-10.00
		Jamila Schon

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventors: Tina Rauschenbach, Carolin Klimek, Annette Jann, Jan-Michel Blinn, Melanie Siegmann, Roman Rommel, Denis Timur, Melanie Marschall, Jeong-Sook Lee and Jamila Schon, hereby sell and assign to SAP SE, a corporation formed under the laws of Germany, whose mailing address is Dietmar-Hopp-Allee 16, Walldorf, Germany 69190 (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

(a) in the invention(s) known as **GRAPHICAL USER INTERFACE FOR A DISPLAY SCREEN OR PORTION THEREOF** for which application(s) for patent in the United States of America has a filing date or a 371(c) date of May 10, 2016 (also known as United States Application No. 29/564,083), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all applications that claim the benefit of the patent application listed above in part (a), including non-provisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The undersigned inventors agree to execute all papers necessary in connection with the application(s) and any non-provisional, continuing (continuation, divisional, or continuation-inpart), reissue, reexamination or corresponding application(s) thereof and also to execute separate

PATENT REEL: 045096 FRAME: 0894

assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventors agree to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventors hereby grant the patent practitioners associated with CUSTOMER NUMBER 82515 the power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

The undersigned inventors hereby represent that he/she understands that the patent practitioners associated with CUSTOMER NUMBER 82515 are the legal representatives of, and attorneys for, the assignee, and are <u>NOT</u> the legal representatives of, and attorneys for, the inventors.

IN WITNESS WHEREOF, executed by the undersigned inventors on the date opposite his/her name.

Date:	Signature of Inventor:	
		Tina Rauschenbach
Date:	Signature of Inventor:	
		Carolin Klimek
Date:	Signature of Inventor: _	
		Annette Jann
Date:	Signature of Inventor: _	
		Jan-Michel Blinn
Date:	Signature of Inventor: _	
		Melanie Siegmann A
Date: 07/20/2016	Signature of Inventor: _	Konnel
		Roman Rommel

Page 2 of 3

.

Date:	Signature of Inventor:	
	-	Denis Timur
Date:	Signature of Inventor:	
	-	Melanie Marschall
Date:	Signature of Inventor:	
	-	Jeong-Sook Lee
Date:	Signature of Inventor: _	
	_	Jamila Schon

Page 3 of 3

.

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventors: Tina Rauschenbach, Carolin Klimek, Annette Jann, Jan-Michel Blinn, Melanie Siegmann, Roman Rommel, Denis Timur, Melanie Marschall, Jeong-Sook Lee and Jamila Schon, hereby sell and assign to SAP SE, a corporation formed under the laws of Germany, whose mailing address is Dietmar-Hopp-Allee 16, Walldorf, Germany 69190 (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

(a) in the invention(s) known as **GRAPHICAL USER INTERFACE FOR A DISPLAY SCREEN OR PORTION THEREOF** for which application(s) for patent in the United States of America has a filing date or a 371(c) date of May 10, 2016 (also known as United States Application No. 29/564,083), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all applications that claim the benefit of the patent application listed above in part (a), including non-provisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventors agree to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventors hereby grant the patent practitioners associated with **CUSTOMER NUMBER 82515** the power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

The undersigned inventors hereby represent that he/she understands that the patent practitioners associated with CUSTOMER NUMBER 82515 are the legal representatives of, and attorneys for, the assignee, and are <u>NOT</u> the legal representatives of, and attorneys for, the inventors.

IN WITNESS WHEREOF, executed by the undersigned inventors on the date opposite his/her name.

Date:	Signature of Inventor:	
	5	Tina Rauschenbach
Date:	Signature of Inventor: _	
		Carolin Klimek
Date:	Signature of Inventor:	
	0	Annette Jann
Date:	Signature of Inventor: _	
		Jan-Michel Blinn
Date:	Signature of Inventor: _	
	0	Melanie Siegmann
Date:	Signature of Inventor:	
		Roman Rommel

Page 2 of 3

		Appl. No. 29/564,083 SAP Ref. No.: 151470US01 SKGF Ref. No.: 1933.3670000
Date: 7/21/2016	Signature of Inventor:	22
Date:	Signature of Inventor:	Melanie Marschall
Date:	Signature of Inventor:	Jeong-Sook Lee
Date:	Signature of Inventor: _	Jamila Schon

PATENT REEL: 045096 FRAME: 0900

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventors: Tina Rauschenbach, Carolin Klimek, Annette Jann, Jan-Michel Blinn, Melanie Siegmann, Roman Rommel, Denis Timur, Melanie Marschall, Jeong-Sook Lee and Jamila Schon, hereby sell and assign to SAP SE, a corporation formed under the laws of Germany, whose mailing address is Dietmar-Hopp-Allee 16, Walldorf, Germany 69190 (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

(a) in the invention(s) known as **GRAPHICAL USER INTERFACE FOR A DISPLAY SCREEN OR PORTION THEREOF** for which application(s) for patent in the United States of America has a filing date or a 371(c) date of May 10, 2016 (also known as United States Application No. 29/564,083), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all applications that claim the benefit of the patent application listed above in part (a), including non-provisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventors agree to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventors hereby grant the patent practitioners associated with **CUSTOMER NUMBER 82515** the power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

The undersigned inventors hereby represent that he/she understands that the patent practitioners associated with CUSTOMER NUMBER 82515 are the legal representatives of, and attorneys for, the assignee, and are <u>NOT</u> the legal representatives of, and attorneys for, the inventors.

IN WITNESS WHEREOF, executed by the undersigned inventors on the date opposite his/her name.

Date:	Signature of Inventor:	Tina Rauschenbach
		Tina Rauschenbach
Date:	Signature of Inventor:	
and the second	6	Carolin Klimek
Date:	Signature of Inventor:	
		Annette Jann
Date:	Signature of Inventor:	
		Jan-Michel Blinn
Date:	Signature of Inventor: _	
		Melanie Siegmann
Date:	Signature of Inventor: _	Roman Rommel
		Roman Rommel
	Page 2 of 3	
		PATENT

REEL: 045096 FRAME: 0901

	D :
_ Signature of Inventor:	Denis Timur <u>Melanie Marschall</u>
_ Signature of Inventor:	Jeong-Sook Lee
Signature of Inventor:	Jamila Schon
	Signature of Inventor:

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventors: Tina Rauschenbach, Carolin Klimek, Annette Jann, Jan-Michel Blinn, Melanie Siegmann, Roman Rommel, Denis Timur, Melanie Marschall, Jeong-Sook Lee and Jamila Schon, hereby sell and assign to SAP SE, a corporation formed under the laws of Germany, whose mailing address is Dietmar-Hopp-Allee 16, Walldorf, Germany 69190 (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

(a) in the invention(s) known as **GRAPHICAL USER INTERFACE FOR A DISPLAY SCREEN OR PORTION THEREOF** for which application(s) for patent in the United States of America has a filing date or a 371(c) date of May 10, 2016 (also known as United States Application No. 29/564,083), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all applications that claim the benefit of the patent application listed above in part (a), including non-provisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The undersigned inventors agree to execute all papers necessary in connection with the application(s) and any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate

PATENT REEL: 045096 FRAME: 0903 assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventors agree to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventors hereby grant the patent practitioners associated with **CUSTOMER NUMBER 82515** the power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

The undersigned inventors hereby represent that he/she understands that the patent practitioners associated with **CUSTOMER NUMBER 82515** are the legal representatives of, and attorneys for, the assignee, and are <u>NOT</u> the legal representatives of, and attorneys for, the inventors.

IN WITNESS WHEREOF, executed by the undersigned inventors on the date opposite his/her name.

Date:	Signature of Inventor: _	
	0	Tina Rauschenbach
Date:	Signature of Inventor:	
		Carolin Klimek
Date:	Signature of Inventor: _	
		Annette Jann
Date:	Signature of Inventor: _	
	-	Jan-Michel Blinn
Date:	Signature of Inventor: _	
	-	Melanie Siegmann
Date:	Signature of Inventor: _	
	_	Roman Rommel

Page 2 of 3

Signature of Inventor: _	
-	Denis Timur
Signature of Inventor:	
	Melanie Marschall
Signature of Inventor: _	612-6-5
-	Jeong-Sook Lee
Signature of Inventor:	
	Jamila Schon
	Signature of Inventor: _ Signature of Inventor: _ Signature of Inventor: _ Signature of Inventor: _

Page 3 of 3

RECORDED: 01/19/2018