503601759 12/08/2015

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date		
GERD MARTIN RITTER	12/07/2015		

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number				
Application Number:	14962435				

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SIGNATURE:	/HARISH RUCHANDANI, REG. NO. 58,770/
DATE SIGNED:	12/08/2015

Total Attachments: 2

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PATENT 503601759 REEL: 037244 FRAME: 0391

SAP Reference No.: 150736US01 SKGF Reference No.: 1933.3260000

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to the undersigned inventor: Gerd Martin Ritter, hereby sells and assigns to SAP SE, a corporation formed under the laws of Germany, whose mailing address is SAP Global IP Group, SAP SE, Dietmar-Hopp-Allee 16, Walldorf, Germany D-69190 (hereafter referred to as the Assignee), his 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) i	n th	e in	ventio	$\mathfrak{d}(s)$	know	n as	DET	rect.	ION	AND	RE	SOL	UTI	ON	OF
CON	FLI	CTS	INI	ATA	SY	CHI	RON)	ZAT	ON	for wh	rich	appli	eatic	m(s)	for
pater	a in	the	Unite	d Sta	ites o	f Am	erica	has a	filin	g date	or	a 37	1(c)	date	of
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any a	nd a									Paten		therei	or, a	nd	

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

PATENT REEL: 037244 FRAME: 0392

SAP Reference No.: 150736US01 SKGF Reference No.: 1933.3260000

The undersigned inventor agrees 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 inventor hereby represents 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 there with.

The undersigned inventor hereby grants 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 inventor hereby represents 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 NOT the legal representatives of, and attorneys for, the inventor.

IN WITNESS	WHEREOF, executed	by the	undersigned	invento	r on the	date opposite
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	The state of the s	reere				- ///./M

Date: 1/2 (1/1)

Signature of Inventor:

Gerd Martin Ritter

W. 411855;

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