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Atty Ref/Docket No.: 2058.826US1	Patent and Trademark Office

To the Director of the U.S. Patent and Trademark Office: Pleas	e record the attached original documents or copy thereof.
Name of conveying party(ies):	<ol><li>Name and address of receiving party(ies):</li></ol>
* *** * * * *	Name: SAP AG
Meenakshi Sundaram P, Volker Hein, Tobias Haak	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 [X]No
[X] Assignment [ ] Merger [ ] Security Agreement [ ] Change of Name [ ] Other	
Execution Date: March 18, 2013, March 18, 2013, March 18, 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. 13/794,437, filed March 11, 2013	
Additional numbers attached? [ ]Yes [X]No	
	6. Total number of applications and patents involved: 1
<ol> <li>Name and address of party to whom correspondence concerning document should be mailed:</li> </ol>	7. Total fee (37 CFR 3.41):\$ <u>40.00</u>
Name: <u>James D. Hallenbeck</u>	[]Enclosed
Address:	[X]Authorized to be charged to deposit account 19-0743
Schwegman, Lundberg & Woessner, P.A.	
P.O. Box 2938 Minneapolis, MN 554020938	<ol> <li>Please charge any additional fees or credit any over payments to our Deposit Account No.: 19-0743</li> </ol>
DO NOT USE T	HIS SPACE
9. Statement and signature. To the best of my knowledge and belief, the foregoing informat of the original document.  James D. Hallenbeck/Reg. No. 63,561  Name of Person Signing  Total	from is true and correct and any attached copy is a true copy    1
Mail documents to be recorded with required cover sheet inform Commissioner of Patents and Trademarks Mail Stop Assignment Recordation Services P.O. Box 1450	nation to:

PATENT REEL: 030486 FRAME: 0962

Alexandria, VA 22313-1450

Attorney Docket No. 2058.826US1 Client Ref. No. 120379US01

## **ASSIGNMENT**

WHEREAS, Meenakshi Sundaram P, Volker Hein and Tobias Haak (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 March 11, 2013, which application was assigned US patent application serial number 13/794,437, and which is titled EFFICIENTLY SEGREGATING DATA FROM EXTERNALLY ACCESSIBLE SYSTEMS.

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;

PATENT REEL: 030486 FRAME: 0963 Assignment
Assignors: Meenakshi Sundaram P et al.
Title: EFFICIENTLY SEGREGATING DATA FROM EXTERNALLY ACCESSIBLE SYSTEMS
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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:

PATENT REEL: 030486 FRAME: 0964 Assignment
Assignors: Meenakshi Sundaram P et al.
Title: EFFICIENTLY SEGREGATING DATA FROM EXTERNALLY ACCESSIBLE SYSTEMS
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Assignor:	
'Signature):	MI
	Name: Meenakshi Sundaram P
	City/State: Walldorf, Germany
Date: 16	02. 2015
Witness:	
	Signature/Date

Full Name (Printed)

PATENT REEL: 030486 FRAME: 0965 Assignment
Assignors: Mecnakshi Sundaram P et al.
Title: EFFICIENTLY SEGREGATING DATA FROM EXTERNALLY ACCESSIBLE SYSTEMS
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Assignor:	
(Signature):	Name: Volker Heln
	City/State: Plankstadt, Germany
Date: 18.	0). 701)
Witness:	
w uncos.	Signature/Date
**************************************	Full Name (Printed)

Assignment
Assignors: Meenakshi Sundaram P et al.
Title: EFFICIENTLY SEGREGATING DATA FROM EXTERNALLY ACCESSIBLE SYSTEMS
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Assignor:		
Signature):	Name: Toblas Haak	
	City/State: Hockenhelm, Germany	
)ate: <u>/{f</u> -	3. <u>2013</u>	
Vitness:		
	Signature/Date	
мересположения	Full Name (Printed)	
	run ivane (rimea)	

PATENT REEL: 030486 FRAME: 0967

**RECORDED: 05/21/2013**