

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3566207

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the ASSIGNOR AND ATTORNEY DOCKET NUMBER previously recorded on Reel 036334 Frame 0965. Assignor(s) hereby confirms the ASSIGNMENT OF ASSIGNOR'S INTEREST.
CONVEYING PARTY DATA	
Name	Execution Date
CHRISTIAN BENSBERG	06/21/2015
NORMAN MAY	07/29/2015
SUNG HEUN WI	06/23/2015
SANG IL SONG	06/19/2015
CHRISTIAN KRAUS	06/19/2015
RECEIVING PARTY DATA	
Name:	SAP SE
Street Address:	DIETMAR-HOPP-ALLEE 16
City:	WALLDORF
State/Country:	GERMANY
Postal Code:	69190
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14747767
CORRESPONDENCE DATA	
Fax Number:	(612)332-8352
<i>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.</i>	
Phone:	202-470-6450
Email:	paralegal@effectualservices.com
Correspondent Name:	BRAKE HUGHES BELLERMANN LLP
Address Line 1:	C/O CPA GLOBAL
Address Line 2:	PO BOX 52050
Address Line 4:	MINNEAPOLIS, MINNESOTA 55402
ATTORNEY DOCKET NUMBER:	0045-087001
NAME OF SUBMITTER:	PAUL W. CHURILLA
SIGNATURE:	/Paul W. Churilla, Reg. No. 47,495/
DATE SIGNED:	10/12/2015

PATENT

Total Attachments: 10

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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3479875

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
CHRISTIAN BENSBERG	06/21/2015
SUNG HEUN WI	06/23/2015
NORMAN MAY	07/29/2015
SANG IL SONG <u>SANG IL SONG</u>	06/19/2015
CHRISTIAN KRAUS	06/19/2015
RECEIVING PARTY DATA	
Name:	SAP SE
Street Address:	DIETMAR-HOPP-ALLEE 16
City:	WALLDORF
State/Country:	GERMANY
Postal Code:	69190
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14747767
CORRESPONDENCE DATA	
Fax Number:	(612)332-8352
<i>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.</i>	
Phone:	202-470-6450
Email:	paralegal@effectualservices.com
Correspondent Name:	BRAKE HUGHES BELLERMANN LLP
Address Line 1:	C/O CPA GLOBAL
Address Line 2:	PO BOX 52050
Address Line 4:	MINNEAPOLIS, MINNESOTA 55402
ATTORNEY DOCKET NUMBER:	<u>0045-087001</u>
NAME OF SUBMITTER:	PAUL W. CHURILLA
SIGNATURE:	/Paul W. Churilla, Reg. No. 47,495/
DATE SIGNED:	08/12/2015
Total Attachments: 9	
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source=0045-087001_Executed_Assignment#page2.tif	

ASSIGNMENT

WHEREAS, We, Christian BENSBERG, residing in Heidelberg, Germany, and Norman MAY, residing in Karlsruhe, Germany, and Sung Heun WI, residing in Gyeonggi-do, Republic of Korea, and Sang H SONG, residing in Seoul, Republic of Korea, and Christian KRAUS, residing in Mannheim, Germany, made certain new and useful inventions and improvements for which we filed an application for Letters Patent of the United States entitled CACHING VIEWS ON HISTORICAL DATA:

WHEREAS, We hereby authorize and request the attorneys at Brake Hughes Bellermann LLP, to insert here in parentheses (Ser. No. 14/747,767 ; Filing Date: June 23, 2015) the filing date and application number of said application when known.

AND WHEREAS, SAP SE, a corporation organized and existing under and by virtue of the laws of Germany, and having an office and place of business at Dietmar-Hopp-Allee 16, Walldorf, 69190 Germany (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefore;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, I have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted there from, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted there from; and I do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to

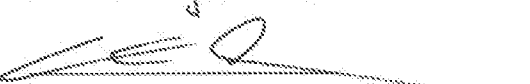
the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

AND, for the consideration aforesaid, I do hereby agree that I and my executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to me relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore, I covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me and that full right to convey the same as herein expressed is possessed by me.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 29 day of June, 2015.


Christian BENSBERG


Witness Signature

Claudia Richter
Witness (Print Name)

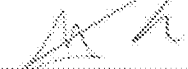
IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2015.

Norman MAY


Witness Signature

Witness (Print Name)

IN TESTIMONY WHEREOF, I have hereunto set my hand this 23 day of June, 2015.



Sung Heon WI



Witness Signature

Jeong Ae Man

Witness (Print Name)

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2015.

Sung H SONG

Witness Signature

Witness (Print Name)

TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2015.

Christian KRAUS

Witness Signature

Witness (Print Name)

ASSIGNMENT

WHEREAS, We, Christian BENSBERG, residing in Heidelberg, Germany, and Norman MAY, residing in Karlsruhe, Germany, and Sung Heun WI, residing in Gyeonggi-do, Republic of Korea, and Sang Il SONG, residing in Seoul, Republic of Korea, and Christian KRAUS, residing in Mannheim, Germany, made certain new and useful inventions and improvements for which we filed an application for Letters Patent of the United States entitled CACHING VIEWS ON HISTORICAL DATA;

WHEREAS, We hereby authorize and request the attorneys at Brake Hughes Bellermann LLP, to insert here in parentheses (Ser. No. 14/747,767; Filing Date: June 23, 2015) the filing date and application number of said application when known.

AND WHEREAS, SAP SE, a corporation organized and existing under and by virtue of the laws of Germany, and having an office and place of business at Dietmar-Hopp-Allee 16, Walldorf, 69190 Germany (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefore;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, I have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted there from, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted there from; and I do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to

the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

AND, for the consideration aforesaid, I do hereby agree that I and my executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to me relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore, I covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me and that full right to convey the same as herein expressed is possessed by me.

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2015.

Christian BENSBERG

Witness Signature

Witness (Print Name)

IN TESTIMONY WHEREOF, I have hereunto set my hand this 23 day of July, 2015.

Norman May
Norman MAY

[Signature]
Witness Signature

Leah B. Komarick
Witness (Print Name)

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2015.

Sung Heun WI

Witness Signature

Witness (Print Name)

IN TESTIMONY WHEREOF, I have hereunto set my hand this 17th day of June, 2015.

HS

Sang H SONG

[Signature]

Witness Signature

TAGYUNG LEE

Witness (Print Name)

TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2015.

Christina KRAUS

Witness Signature

Witness (Print Name)

ASSIGNMENT

WHEREAS, We, Christian BENSBERG, residing in Heidelberg, Germany, and Norman MAY, residing in Karlsruhe, Germany, and Sung Heun WI, residing in Gyeonggi-do, Republic of Korea, and Sang Il SONG, residing in Seoul, Republic of Korea, and Christian KRAUS, residing in Mannheim, Germany, made certain new and useful inventions and improvements for which we filed an application for Letters Patent of the United States entitled CACHING VIEWS ON HISTORICAL DATA;

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NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, I have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted there from, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted there from; and I do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to

the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

AND, for the consideration aforesaid, I do hereby agree that I and my executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to me relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore, I covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me and that full right to convey the same as herein expressed is possessed by me.

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2015.

Christian BENSBERG

Witness Signature

Witness (Print Name)

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2015.

Norman MAY

Witness Signature

Witness (Print Name)

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2015.

Sung Heun WI

Witness Signature

Witness (Print Name)

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2015.

Sang H SONG


Witness Signature

Witness (Print Name)

TESTIMONY WHEREOF, I have hereunto set my hand this 10 day of June, 2015.



Christian KRAUS



Witness Signature

Ralf Wagnerecht

Witness (Print Name)