PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3128638

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14553400

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NAME OF SUBMITTER:	NANDU A. TALWALKAR	
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DATE SIGNED:	12/02/2014	

Total Attachments: 3

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PATENT REEL: 034307 FRAME: 0581

Docket No.: 141161US01 (S17.112)

ASSIGNMENT OF RIGHTS, TITLE AND INTEREST IN INVENTION

This is an Assignm	ent of the following rights, title and interest: (check all that apply)	
☑ United States of America rights, title and interest in the invention		
	title and interest in the invention	
The following	United States Patent Application	
United State	es Patent Application No.: 14/553,400	
which was f	filed on: November 25, 2014	
United States P	Provisional Patent Application Serial No.:	
United States P	atent No(s).:	
☐ International (PCT) Patent Application Serial No.:		
Other (specify)	:	
DATABASE RECO	OVERY AFTER SYSTEM COPY Inventors (assignors)	
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Page 1 of 3

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Docket No.: 141161US01

(S17.112)

Torsten Strahl

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Assignee

Name Address

SAP SE Dietmar-Hopp-Allee 16, D-69190 Walldorf, Germany

Whereas, we, the above-identified Inventor, have invented certain new and useful improvements in the Invention identified above and described in the above-identified patent application(s) and/or patent(s) (hereinafter referred to as "Invention");

And, whereas we desire to assign our above-identified rights, title and interest in the Invention to the above-identified assignee;

Now, this indenture witnesseth, that for good and valuable consideration, the receipt whereof is hereby acknowledged;

We hereby assign, sell and transfer our above-identified rights, title and interest in said Invention, said application(s) as identified above, including any divisions, continuations, and continuations-in-part thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted or have granted for said Invention, and in and to any and all reissues and reexaminations thereof, and in and to any and all priority rights, Convention rights, and other benefits accruing or to accrue to us with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, unto said Assignee;

And we hereby authorize and request the Commissioner of Patents and Trademarks to issue any United States Letters Patent which may issue for said Invention to said Assignee, as assignee of the whole right, title and interest thereto;

And we further authorize and request that attorney, Nandu A. Talwalkar, of Buckley, Maschoff & Talwalkar LLC, insert the filing date and application number of the above-referenced patent application when known;

And we further agree to sign and execute all necessary and lawful future documents, including applications for foreign patents, for filing divisions, continuations and continuations-in-part of said application for patent, and/or, for obtaining any reissue or reissues of any Letters

Docket No.: 141161US01 (\$17.112)

in-part of said application for patent, and/or, for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid Invention, as the Assignee or its Designee(s) may from time to time require and prepare at its own expense.

Inventors' Signatures

Andre Schefe: R.	Date: 11/25/2014
Bernd Vorsprach: Block Witnessed by: Tal Sha	Date: 25.11.2014 Date: 25.11.2014
Henrik Hempelmann:	Date: 11/25/2019 Date: 25.11.2019
Martin E. Brunzema: L. B. Witnessed by: B. d. d. L.	Date: 1/25/2014 Date: 1/25/2016
Robin Wissbrock: Witnessed by: 48 Cla	Date: $\frac{11/25/7019}{11/25/7019}$
Torsten Strahl: Tallle Witnessed by: 1991 109	Date: 25.11.2014 Date: (1/25/2014)

Page 3 of 3