ATTORNEY DOCKET NO.: 34874-781F01US/2011P00363US U.S. DEPARTMENT OF COMMERCE

United States Patent and Trademark Office FORM PTO-1595 (Rev. 08-05) OMB No. 0651-0027 (exp. 6/30/2008) RECORDATION FORM COVER SHEET PATENTS ONLY To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below. Name and address of receiving party(ies) 1. Name of conveying party(ies) SAP AG Jochen Mayerle, Johann Christiaan Peters, Dietmar-Hopp-Allee 16 Marianne Brosche, Joachim Fessler, Ulrich Keil, Walldorf, Germany 69190 and Holger Knospe Additional name(s) of conveying party(ies) attached?

Yes

No Additional name(s) of conveying party(ies) attached? ☐Yes 🗷 No Nature of conveyance/Execution Date(s): Execution Date(s): 12/14/11, 12/14/11, 12/14/11, 12/14/11, 12/14.11 and 12/14/11 ☐ Merger ■ Assignment ☐ Change of Name ☐ Security Agreement Joint Research Agreement ☐ Government Interest Assignment Executive Order 9424, Confirmatory License □ Other ☐ This document is being filed together with a new application 4. Application or patent number(s): B. Patent No.(\$) A. Patent Application No.(s) 13/326,279 Additional numbers attached? ☐ Yes 区 No 6. Total number of applications and patents 5. Name and address to whom correspondence Involved: _____ Concerning document should be malled: 7. Total Fee (37 CFR 1.21(h) & 3.41) \$40.00 Michael D. Van Loy MINTZ, LEVIN, COHN, FERRIS, GLOVSKY Authorized to be charged by credit card AND POPEO, P.C. Authorized to be charged to deposit account 3580 Carmel Mountain Road, Suite 300 San Diego, CA 92130 ☐ Enclosed □ None required (government interest not affecting title) 8. Payment Information Last 4 numbers_ a. Credit Card Expiration Date___ b. Deposit Account Number 50-0311 Authorized User Name Michael D. Van Lov, MINTZ, LEVIN, COHN, FERRIS, GLOVSKY AND POPEO, P.C. March 22, 2012

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PATENT **REEL: 027924 FRAME: 0801**

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Date

9. Signature: 🟒

Michael D. Van Loy

700482658

Name of Person Signing

Attorney Docket No.: 34874-781F01US/2011P00363US

Customer Number: 64280

<u>ASSIGNMENT</u>

For valuable consideration, we JOCHEN MAYERLE, JOHANN CHRISTIAAN PETERS, MARIANNE BROSCHE, JOACHIM FESSLER, ULRICH KEIL, and HOLGER KNOSPE, each hereby assign to SAP AG, a German Corporation, having a place of business at Dietmar-Hopp-Allee 16 D-69190, Walldorf, Germany, and its successors, and assigns (collectively, "the ASSIGNEE") our entire right, title and interest throughout the world in the inventions and improvements that are the subject of a patent document entitled,

SEAMLESS MORPHING FROM SCENARIO MODEL TO SYSTEM-BASED INSTANCE VISUALIZATION

which is found in

[X] U.S. patent application filed on December 14, 2011

[X] Under Application No .13/326,279

[X] Under Attorney Docket No.: 34874-781F01US/2011P00363US

We authorize and request the attorneys of record or the attorney filing the application to insert into this assignment the filing date and serial number of the application when known.

This assignment includes the foregoing patent application or patent, all legal equivalents in any country, and all patents issuing from such legal equivalents; all patents, utility models, and design registrations granted by any jurisdiction for any of said inventions and improvements; and the right to claim priority based on the filing date of the foregoing patent application or patent under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes. We authorize the Assignee to apply in all countries in our names or in its own name for patents, utility models, and design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements.

We hereby state and agree that no assignment, sale, agreement, or encumbrance has been or will be made or entered into that would conflict with this assignment.

We further agree for ourselves and our respective heirs, legal representatives, and assigns to provide to the Assignee promptly upon its request and at its expense all pertinent facts and documents relating to any of said inventions and improvements or said patents and legal equivalents as may be known and accessible to us and to testify as to the same in any interference, litigation, or proceeding relating thereto; and we agree promptly to perform such lawful acts and to sign such further applications, assignments, statements, and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

Attorney Docket No.: 34874-781F01US/2011P00363US Customer Number: 64280

Inventor's Signature JOCHEN MAT Witnessed by Signatu Print Name

JOHAN CARISTIAAN PETERS

Witnessed by:

Inventog's Signature

MARIANNE BROSCHE

Wimessed by:

14.12.2011
Date
14.12.2011
Date

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Attorney Docket No.: 34874-781F01US/2011P00363US Customer Number: 64280

Inventor's Signature

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ULRICH KEIL,

Witnessed by:

Print Name

14,12.2011 Date

14.12.2011

Inventor's Signature

HOLGER KNOS

Wimessed by:

Signature

Print Name

14.12.2011

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3

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