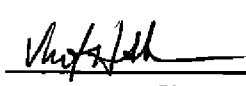


Based on FORM PTO-1595 (Rev. 08/05)  
as modified by Blakely, Sokoloff, Taylor & Zafman (wlr) 11/30/2005

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

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.

1. Name of conveying party(ies): <b>Dirk S. Marwinski; Petio G. Petev; Ingo Zenz</b>		2. Name and address of receiving party(ies): Name: <b>SAP AG</b>	
Additional name(s) of conveying party(ies) attached? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes		Internal Address: _____ Street Address: <b>Dietmar-Hopp-Allee 16</b>	
3. Nature of Conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____		City: <b>Walldorf</b> State: _____ Zip: <b>D-69190</b> Country: <b>Germany</b>	
Execution Date: <b>9-11-06; 9-20-06; 9-22-06</b>		Additional name(s) & address(es) attached? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	
4. Application number(s) or patent number(s): <input checked="" type="checkbox"/> This document is being filed together with a new application.			
A. Patent Application No.(s)  <b>11/495,372</b>		B. Patent No.(s)	
Additional numbers attached? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes			
5. Name and address of party to whom correspondence concerning document should be mailed:  Name: <b>Blakely, Sokoloff, Taylor &amp; Zafman LLP</b> Internal Address: _____ Street Address: <b>12400 Wilshire Boulevard</b> <b>7th Floor</b> City: <b>Los Angeles</b> State: <b>CA</b> ZIP: <b>90025</b> Phone Number: <b>(503) 439-8778</b> Fax Number: <b>(503) 439-6073</b> E-mail Address: <b>vincent_anderson@bstz.com</b>		6. Total number of applications and patents involved: <b>1</b>  7. Total Fee (37 CFR 3.41).....\$ <b>40.00</b> <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account	
		8. Deposit Account Number: <b>02-2666</b> (Attach duplicate copy of this page if paying by deposit account)	
DO NOT USE THIS SPACE			
9. Statement and signature. <i>To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true copy of the original document.</i>			
<b>Vincent H. Anderson</b> Name of Person Signing		 Signature	
		<b>March 29, 2007</b> Date	
Total number of pages including cover sheet, attachments, and document: <b>3</b>			

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
 Mail Stop Assignment Recordation Services  
 Director of the US Patent and Trademark Office  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

Docket No. 6570P354

700318123

**PATENT**  
**REEL: 019098 FRAME: 0455**

CH \$40.00 022666 11495372

Attorney's Docket No.: 6570P354

## **ASSIGNMENT**

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned:

**Dirk S. Marwinski; Petio G. Peteu; Ingo Zenz**

hereby sell, assign, and transfer to:

**SAP AG**

a Corporation of Germany, having a principal place of business at Dietmar-Hopp-Allee 16, Walldorf, D-69190 Germany ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions and improvements that are disclosed in the application for the United States patent filed on July 28, 2006, and assigned Application No. 11/495,372 and is entitled:

### **METHODS AND APPARATUSES FOR MAPPABLE SHARED CACHE MANAGEMENT**

and in and to said application and all provisional, design, utility, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said inventions and improvements; and in and to all original and reissued patents that have been or shall be issued in the United States and all foreign countries on said inventions and improvements; and in and to all rights of priority from the filing of said United States applications;

agree that said Assignee may apply for and receive a patent or patents for said inventions and improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all provisional, design, utility, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and all other patent applications on any and all said inventions and improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and legal representatives all facts known to the undersigned relating to said inventions and improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or legal representatives in securing and maintaining proper patent protection for said inventions and improvements and for vesting title to said inventions and improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

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

Each Inventor: Please Sign and Date Below:

Each Witness: Please Sign, Date & Print Name Below:

9-11-2006 [Signature]  
Date Dirk S. Marwinski

Witnessed by: 12.09.2006 [Signature]  
Date Name: Kaiser

\_\_\_\_\_  
Date Petio G. Petev

Witnessed by: \_\_\_\_\_  
Date Name: \_\_\_\_\_

\_\_\_\_\_  
Date Ingo Zenz

Witnessed by: \_\_\_\_\_  
Date Name: \_\_\_\_\_

\_\_\_\_\_  
Date

Witnessed by: \_\_\_\_\_  
Date Name: \_\_\_\_\_

\_\_\_\_\_  
Date

Witnessed by: \_\_\_\_\_  
Date Name: \_\_\_\_\_

Assignment Document Return Address:  
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP  
12400 Wilshire Blvd., Seventh Floor  
Los Angeles, CA 90025-1026  
Telephone: (503) 439-8778

Attorney's Docket No.: 6570P354

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agree that said Assignee may apply for and receive a patent or patents for said inventions and improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all provisional, design, utility, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and all other patent applications on any and all said inventions and improvements, execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and legal representatives all facts known to the undersigned relating to said inventions and improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or legal representatives in securing and maintaining proper patent protection for said inventions and improvements and for vesting title to said inventions and improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

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

Each Inventor: Please Sign and Date Below:

Each Witness: Please Sign, Date & Print Name Below:

Date Dirk S. Marwinski

Witnessed by:

Date

Name:

20.09.2006 Petio Petev  
Date Petio G. Petev

Witnessed by:

Date

Name:

Date Ingo Zenz

Witnessed by:

Date

Name:

Date

Witnessed by:

Date

Name:

Date

Witnessed by:

Date

Name:

Assignment Document Return Address:

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP  
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agree that said Assignee may apply for and receive a patent or patents for said inventions and improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all provisional, design, utility, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and all other patent applications on any and all said inventions and improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and legal representatives all facts known to the undersigned relating to said inventions and improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or legal representatives in securing and maintaining proper patent protection for said inventions and improvements and for vesting title to said inventions and improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

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SAP AG WALLDORF

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Each Inventor: Please Sign and Date Below:Each Witness: Please Sign, Date & Print Name Below:

Date

Dirk S. Marwinski

Witnessed by:

Date

Name:

Date

Petlo G. Petev

Witnessed by:

Date

Name:

Date

Ingo Zenz

Witnessed by:

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Name:

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