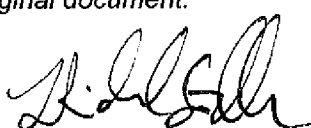


Substitute Form PTO-1595  
Attorney Docket No.: 13913-184001 / 2002P00195 US

RECORDATION FORM COVER SHEET  
PATENTS ONLY

Commissioner for Patents: Please record the attached original document(s) or copy(ies).	
1. Name of conveying party(ies): <b>SAPMARKETS, INC.</b> Additional name(s) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies): <b>SAP AG</b> <b>Neurottstrasse 16</b> <b>69190 Walldorf</b> <b>Germany</b>  Additional names/addresses attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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:  Execution Date: <b>July 1, 2002</b>	
4. Application number(s) or patent number(s): If this document is being filed with a new application, the execution date of the application is: A. Patent Application No(s).: <b>10/095,354, filed March 11, 2002</b> B. Patent No(s).:  Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. Name/address of party to whom correspondence concerning document should be mailed:   <b>PTO Customer Number 32864</b>	6. Total number of applications/patents involved: <b>1</b>
	7. Total fee (37 CFR §3.41): <b>\$40</b> <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to charge Deposit Account.
	8. Deposit Account No.: <b>06-1050</b> Please apply any additional charges, or any credits, to our Deposit Account No. 06-1050.
DO NOT USE THIS SPACE	
9. Statement and Signature: <i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</i>  J. Richard Soderberg Reg. No. 43,352 Name of Person Signing   Signature  5/12/04 Date	
Total number of pages including coversheet, attachments and document: <b>8</b>	

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CERTIFICATE OF TRANSMISSION BY FACSIMILE

I hereby certify that this correspondence is being transmitted by facsimile to the Patent and Trademark Office on the date indicated below.

May 12, 2004  
Date of Transmission  
  
Signature  
Debra L. Miedema  
Typed Name of Person Signing Certificate

700084308

PATENT  
REEL: 014623 FRAME: 0171

PATENT ASSIGNMENT

THIS ASSIGNMENT dated this 1st day of July, 2002, from SAPMARKETS, INC., a Delaware corporation with offices at 3475 Deer Creek Road, Palo Alto, CA 94304, hereinafter referred to as "Assignor", to SAP AG, a Federal Republic of Germany joint stock company having a principal place of business at Neurottstrasse 16, D-69190 Walldorf, Germany, hereinafter referred to as "Assignee";

WITNESSETH:

WHEREAS, pursuant to the Asset Purchase and Sale Agreement dated as of June 27, 2002, certain assets, tangible and intangible, of Assignor were transferred to Assignee, including United States Letters Patents and patent applications and foreign patents and patent applications listed in Schedule 1 hereto;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, Assignor has agreed to sell and has sold, assigned, transferred and set over, and by these presents does sell, assign and transfer unto the said Assignee and its successors and assigns, its entire right, title and interest in and to the patents and applications listed in Schedule 1 and inventions therein described and claimed, including the right to apply for and/or register any Letters Patent in the United States of America and in any and all foreign countries on said inventions, and any and all other applications for Letters Patent on said inventions, in whatsoever countries, including all divisional, renewal, substitute, continuation and convention applications based in whole or in part upon said inventions or upon said applications, and any and all Letters Patent that may issue thereon, in the United States and foreign countries, and any and all reissues, extensions, renewals, divisions or continuations of Letters Patent granted for said inventions or upon said applications, to the full end of the term or terms for which said Letters Patent may be issued, and every priority right that is or may be predicated upon or arise from said inventions, said applications and said Letters Patent, the same to be held and enjoyed by the said Assignee, its successors and assigns, the same as it would have been held and enjoyed by said Assignor if this assignment and sale had not been made.

Assignor hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States and the empowered officials of all other governments to issue all said Letters Patent to the said Assignee as assignee of the entire right, title and interest in and to the same, for the sole use and enjoyment of said Assignee, its successors and assigns.

The Assignor hereby authorizes the Assignee to apply for and obtain the recordation of this Assignment. The Assignor agrees that it shall, without further consideration, promptly and duly cause to be performed such lawful acts and execution of any other documents as the Assignee may reasonably request in order for the Assignee to

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obtain the full benefit of this Assignment and to permit the Assignment to be duly recorded in each office, bureau and tribunal in the appropriate jurisdiction as the registered owner or proprietor of each of the rights hereby assigned. Such instruments and documents shall include, without limitation, affidavits, including affidavits of use, and other documents for filing in such jurisdictions as the Assignee may from time to time reasonably request.

The Assignor hereby represents and warrants that there are no rights and interests outstanding inconsistent with the rights and interests granted herein and that the Assignor will not execute any instrument or grant or transfer any rights or interests inconsistent herewith.

AND it is further covenanted and agreed that Assignor will, at any time upon request, communicate to said Assignee, its successors, assigns or other legal representatives, any facts relating to said inventions and the history thereof known to said Assignor and testify as to the same in any interference or other legal proceeding when requested to do so, sign all lawful papers, execute all necessary assignment papers to cause any Letters Patent to be issued to Assignee, make all rightful oaths and generally do everything necessary or desirable to aid said Assignee, its successors and assigns, to obtain, perfect title in and enforce proper protection for said inventions in the United States and in any and all foreign countries.

IN WITNESS WHEREOF, Assignor has caused this assignment to be executed by its proper officer thereunto duly authorized.

SAPMARKETS, INC.

By: 

Name: Thomas F. Chan

Title: President

ACKNOWLEDGEMENT

State of California )  
County of San Jose ) ss.:

On the 25 day of June, 2002, before me personally came Thomas F. Crag, to me known, who, being by me duly sworn, did depose and say that he resides at Alameda, CA; that he is the President of SAPMARKETS, INC., the corporation described in and which executed the above instrument by order of the Board of Directors of said corporation, and that he signed his name thereto by like order.

Heike Meininghaus  
Notary Public  
My Commission Expires: Nov. 19, 2004



## PATENT APPLICATIONS

SCHEDULE 1  
To Patent Assignment

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Client No.	Matter	Inventor(s)	Appl. No.	Status	Application
SMUS.0005	A Connection Tool for Connecting Analytical Applications to Electronic Document Sources	Calder Tosun, Kok Thim Chew	09/825,004	Filed 4/3/01 Forwarded copy to Mark Kirkland @ Fish & Richardson for foreign filing	Infrastructure
SMUS.0006	A Security Service for an Electronic Marketplace	Steven Winkler, Michael Friedrich, Armin Risch	09/826,738	Filed 4/5/01 Forwarded copy to Mark Kirkland @ Fish & Richardson for foreign filing	Infrastructure
SMUS.0007	A Value Added Service Integration Tool and Process	Armin Risch		Inventor review; Reminder sent on 2/5/02	Infrastructure
SMUS.0008	Aggregation Engine for an Electronic Commerce System	Peter J. Neumayer	09/851,644	Filed 5/9/01 Forwarded copy to Mark Kirkland @ Fish & Richardson for foreign filing	Infrastructure
SMUS.0009	Hosted Negotiations			Closed	Infrastructure
SMUS.0010	A Generic Java Rule Engine Framework	Gautam Dharamshi	09/885,836	Filed 6/20/01 Forwarded copy to Mark Kirkland @ Fish & Richardson for foreign filing	Infrastructure
SMUS.0011	Dynamic Pricing Engine			Awaiting complete disclosure	Auction
SMUS.0012	Mobile Engine	Claudius Fischer, Thorsten Stephan, Markus Schmidt, Jochen Hartweck,	60/296,234	Filed provisional 6/6/01	Mobile Engine

		Franz Müller, Jens Zachmann				
SMUS.0013	Mobile Engine Components	Claudius Fischer, Thorsten Stephan, Markus Schmidt, Jochen Hertweck, Franz Müller, Jens Zachmann	60/296,993	Filed provisional 6/8/01		Mobile Engine
SMUS.0014	A Framework for a Device and a Computer System Needing Synchronization	Claudius Fischer, Thorsten Stephan, Markus Schmidt, Jochen Hertweck, Franz Müller, Jens Zachmann		Reminder sent 5/16/02; Based upon Provisionals SMUS.0012 and SMUS.0013; Second inventor review; Reminder sent on 2/5/02		Mobile Engine
SMUS.0015	A Device for Running Offline Applications and Synchronizing with a Central Computer System	Claudius Fischer, Thorsten Stephan, Markus Schmidt, Jochen Hertweck, Franz Müller, Jens Zachmann		Reminder sent 5/16/02; Based upon Provisionals SMUS.0012 and SMUS.0013; Second inventor review; Reminder sent on 2/5/02		Mobile Engine
SMUS.0016	A Process for Synchronizing Data Between Remotely Located Devices and a Central Computer System	Claudius Fischer, Thorsten Stephan, Markus Schmidt, Jochen Hertweck, Franz Müller, Jens Zachmann		Reminder sent 5/16/02; Based upon Provisionals SMUS.0012 and SMUS.0013; Second inventor review; Reminder sent on 2/5/02		Mobile Engine
SMUS.0017	A Process for Deploying Software from a Central Computer System to Remotely Located Devices	Claudius Fischer, Thorsten Stephan, Markus Schmidt, Jochen Hertweck, Franz Müller, Jens Zachmann		Reminder sent 5/16/02; Based upon Provisionals SMUS.0012 and SMUS.0013; Second inventor review; Reminder sent on 2/5/02		Mobile Engine
SMUS.0018	A Deployment Console for use with a Computer System Deploying Software to Remotely Located Devices	Claudius Fischer, Thorsten Stephan, Markus Schmidt, Jochen Hertweck, Franz Müller, Jens Zachmann		Reminder sent 5/16/02; Based upon Provisionals SMUS.0012 and SMUS.0013; Second inventor review; Reminder sent on 2/5/02		Mobile Engine
SMUS.0019	New Patent Application			Awaiting complete disclosure		

SMUS.0020	An Application Programming Interface Layer for a Device	Claudius Fischer, Thorsten Stephan, Markus Schmidt, Jochen Hertweck, Franz Müller, Jens Zachmann		Reminder sent 5/16/02; Based upon Provisionals SMUS.0012 and SMUS.0013; Second Inventor review; Reminder sent on 2/5/02	Mobile Engine
SMUS.0021	A Process for Enhancing Access to Resources and a Portal having such Formality		-		Portal
SMUS.0022	A Process for Content Aggregation and a Portal having such Functionality		-		Portal
SMUS.0023	A Process for Content Enhancement and a Portal having such Functionality		-		Portal
SMUS.0024	A Process for Content Filtering and Transformation and a Portal having such Functionality		-		Portal
SMUS.0025	A Process for Limiting Access to Resources and a Portal having such Functionality		-		Portal
SMUS.0026	A Process for Consumer Monitoring and a Portal having such Functionality		-		Portal
SMUS.0027	A Process for Personalization and a Portal having such Functionality		-		Portal
SMUS.0028	A Process for Redirection of Requests and a Portal having such Functionality		-		Portal
SMUS.0029	An Improved Portal with Enhanced Functionality		-		Portal

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SMUS.0034	Java Server Having Shared Memory	Harald Kuck, Norbert Kuck, Edgar Lott, Hans-Christoph Rohland, Oliver Schmidt	60/349,068	Filed provisional 11/7/01	Web Dynpro
SMUS.0035	An XML Client Abstraction Layer	Thorsten Dencker, Claudius Fischer, Andreas Röessler	10/095,354	Filed 3/11/02 Mailed Declarations/Assignments to inventors for execution on 5/10/02	Web Dynpro
SMUS.0038	Java Server Having Shared Memory	Harald Kuck, Norbert Kuck, Edgar Lott, Hans-Christoph Rohland, Oliver Schmidt		Based on Provisional SMUS.0034; in progress	Web Dynpro
SMUS.0042	Message Translation Using Adoptive Agent			In progress	
SMUS.0043	A JavaScript Client Framework	Thorsten Dencker, Claudius Fischer, Andreas Röessler	10/094,692	Filed 3/11/02 Mailed Declarations/Assignments to inventors for execution on 5/10/02	Web Dynpro

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TOTAL P.08