

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Denis Malov</td><td>09/22/2009</td></tr><tr><td>Sricharan Poundarikapuram</td><td>09/21/2009</td></tr></tbody></table>	Name	Execution Date	Denis Malov	09/22/2009	Sricharan Poundarikapuram	09/21/2009	
Name	Execution Date						
Denis Malov	09/22/2009						
Sricharan Poundarikapuram	09/21/2009						
RECEIVING PARTY DATA							
Name:	SAP AG						
Street Address:	Dietmar-Hopp-Allee 16						
City:	Walldorf						
State/Country:	GERMANY						
Postal Code:	69190						
PROPERTY NUMBERS Total: 1							
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12565527</td></tr></tbody></table>	Property Type	Number	Application Number:	12565527			
Property Type	Number						
Application Number:	12565527						
CORRESPONDENCE DATA							
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ATTORNEY DOCKET NUMBER:	1441.0022						
NAME OF SUBMITTER:	Robert D. Atkins						
Total Attachments: 2 source=Assignments#page1.tif source=Assignments#page2.tif							

CH \$40.00 12565527

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PATENT
REEL: 023275 FRAME: 0098

ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I, DENIS MALOV of Scottsdale, AZ, have sold, assigned, and transferred, and do hereby sell, assign, and transfer unto SAP AG (SAP), a Corporation of the country of Germany, having its principal office in Walldorf, Germany, and its successors, assigns, and legal representatives, the entire right, title, and interest in and to certain invention(s) entitled SYSTEM AND METHOD FOR MANAGEMENT OF FINANCIAL PRODUCTS PORTFOLIO USING CENTRALIZED PRICE AND PERFORMANCE OPTIMIZATION TOOL, which is described, illustrated, and claimed in any patent application under Attorney Docket No. 1441.0022, together with the entire right, title and interest in and to the application, and in and to any continuation, division, reissue, reexamination, extension, renewal, or substitute thereof, and in and to any patent which may issue upon such application(s).

I hereby sell, assign, and transfer unto SAP, the entire right, title, and interest in and to application(s) for patent filed in all countries foreign to the United States, and in and to application(s) for patent filed under any and all international conventions and treaties, and in and to any patent issuing therefrom, which describe, illustrate, and claim the above-identified invention(s). I hereby also sell, assign, and transfer unto SAP, the entire right, title, and interest in and to all rights under any and all international conventions and treaties in respect of the above-identified invention(s). I authorize SAP to apply for patent in foreign countries directly in its own name, and to claim the priority of the filing date under the provisions of any and all domestic laws and international conventions and treaties.

I hereby authorize and request the government authority in the United States to issue patent(s) upon the aforesaid application, continuation, division, reissue, reexamination, extension, renewal, or substitute, to SAP, for the sole use and behalf of SAP, its successors, assigns, and legal representatives, to the full end of the term for which the patent(s) may be granted, the same as they would have been held and enjoyed by me had this assignment not been made. I authorize and request the equivalent authorities in countries foreign to the United States to issue the patents of their respective countries to and in the name of SAP in the same manner.

I agree that, when requested, I will, without charge to SAP, but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable, or convenient for securing and maintaining patents for the invention(s) in any and all countries and for vesting title thereto in SAP, its successors, assigns, and legal representatives or nominees.

I covenant with SAP, its successors, assigns, and legal representatives that the interest and property hereby conveyed is free from all prior assignment, grant, mortgage, license, or other encumbrance.

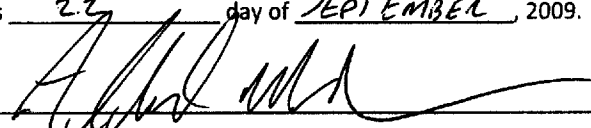


Signature for DENIS MALOV

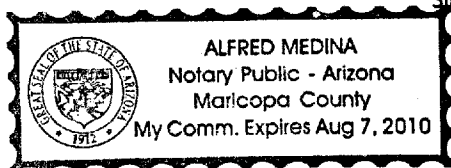
STATE OF ARIZONA)
COUNTY OF MARICOPA)

I, ALFRED MEDINA, a Notary Public in and for the County and State aforesaid, do hereby certify that DENIS MALOV, whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he/she signed, sealed and delivered the instrument as his/her free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 22 day of SEPTEMBER, 2009.



Signature of Notary



ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I, SRICHARAN POUNDARIKAPURAM of Scottsdale, AZ, have sold, assigned, and transferred, and do hereby sell, assign, and transfer unto SAP AG (SAP), a Corporation of the country of Germany, having its principal office in Walldorf, Germany, and its successors, assigns, and legal representatives, the entire right, title, and interest in and to certain invention(s) entitled SYSTEM AND METHOD FOR MANAGEMENT OF FINANCIAL PRODUCTS PORTFOLIO USING CENTRALIZED PRICE AND PERFORMANCE OPTIMIZATION TOOL, which is described, illustrated, and claimed in any patent application under Attorney Docket No. 1441.0022, together with the entire right, title and interest in and to the application, and in and to any continuation, division, reissue, reexamination, extension, renewal, or substitute thereof, and in and to any patent which may issue upon such application(s).

I hereby sell, assign, and transfer unto SAP, the entire right, title, and interest in and to application(s) for patent filed in all countries foreign to the United States, and in and to application(s) for patent filed under any and all international conventions and treaties, and in and to any patent issuing therefrom, which describe, illustrate, and claim the above-identified invention(s). I hereby also sell, assign, and transfer unto SAP, the entire right, title, and interest in and to all rights under any and all international conventions and treaties in respect of the above-identified invention(s). I authorize SAP to apply for patent in foreign countries directly in its own name, and to claim the priority of the filing date under the provisions of any and all domestic laws and international conventions and treaties.

I hereby authorize and request the government authority in the United States to issue patent(s) upon the aforesaid application, continuation, division, reissue, reexamination, extension, renewal, or substitute, to SAP, for the sole use and behalf of SAP, its successors, assigns, and legal representatives, to the full end of the term for which the patent(s) may be granted, the same as they would have been held and enjoyed by me had this assignment not been made. I authorize and request the equivalent authorities in countries foreign to the United States to issue the patents of their respective countries to and in the name of SAP in the same manner.

I agree that, when requested, I will, without charge to SAP, but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable, or convenient for securing and maintaining patents for the invention(s) in any and all countries and for vesting title thereto in SAP, its successors, assigns, and legal representatives or nominees.

I covenant with SAP, its successors, assigns, and legal representatives, that the interest and property hereby conveyed is free from all prior assignment, grant, mortgage, license, or other encumbrance.

P. S. Charam

Signature for SRICHARAN POUNDARIKAPURAM

STATE OF ARIZONA)
COUNTY OF MARICOPA)

I, Caitlin Olson, a Notary Public in and for the County and State aforesaid, do hereby certify that SRICHARAN POUNDARIKAPURAM, whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he/she signed, sealed and delivered the instrument as his/her free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 21st day of September, 2009.

Caitlin Olson
Signature of Notary



CAITLIN OLSON
NOTARY PUBLIC - ARIZONA
MARICOPA COUNTY
My Commission Expires
January 22, 2013