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Atty Ref/Docket No.: 2058.535US1

Patent and Trademark Office

To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Masoud Aghadavoodi Jolfaei

Additional name(s) of conveying party(ies) attached?

[] Yes [X] No

3. Nature of conveyance:

[X] Assignment [] Merger

[] Security Agreement [] Change of Name

[] Other

Execution Date: January 13, 2010

2. Name and address of receiving party(ies):

Name: SAP AG

Street Address: Dietmar-Hopp-Allee 16

City: Walldorf, D-69190Country: Germany

Additional name(s) & address(es) attached? [] Yes [X] No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

Serial No. 12/643,799, filed December 21, 2009

B. Patent No.(s)

Additional numbers attached? [] Yes [X] No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Michael K. Hsu

Address:

Schwegman, Lundberg & Woessner, P.A.

P.O. Box 2938

Minneapolis, MN 55402--0938

6. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41): \$ 40.00

[] Enclosed

[X] Authorized to be charged to deposit account
19-0743

8. Please charge any additional fees or credit any over payments to our Deposit Account No.: 19-0743

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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.

Michael K. Hsu/Reg. No. 46,782
Name of Person Signing

Michael Hsu
Signature

8/2/2010
Date

Total number of pages including cover sheet: 3

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PATENT

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CH \$40.00 190743 12643799

Attorney Docket No. 3958-535US1
Client Ref. No. 2009P00269US

ASSIGNMENT

WHEREAS, I. Masoud Aghadavoodi Jolfaei, residing at Gerbersruhstrasse 148, Wiesloch 69168, Germany, made certain new and useful inventions and improvements which are described in an application for U.S. Letters Patent on December 21, 2009, which application was assigned U.S. patent application serial number 12/643,799, and is entitled Rule-based Processing in Different Layers;

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned do hereby:

SELL, ASSIGN AND TRANSFER to SAP AG (the "Assignee"), a corporation of the Country of Germany, having a place of business at Dietmar-Hopp-Allee 16, Walldorf D-69190, Germany, the entire right, title and interest for the United States and all foreign countries in and to: any and all inventions and improvements which are disclosed in the identified application for U.S. Letters Patent, and which may be further identified below; such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States (including all provisional and non-provisional applications); and in all foreign countries on any of such inventions and/or improvements (including any applications for utility models); all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such inventions and/or improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and to claim priority based on the identified application;

AUTHORIZE AND REQUEST that any attorney associated with U.S. PTO Customer No. 50400 may (directly or through his/her designee) delete, insert, or alter any information identifying this application, or any related application, below, after execution of this Assignment:

Additional Application Information

No Provisional claim for priority is being made at this time.

No U.S. Non-Provisional claim for priority is being made at this time.

No International or foreign claim for priority is being made at this time.

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee:

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and/or property herein conveyed has been or will be

Assignment
Client Ref. No. 230900269US
Assignors: Masoud Aghadavoodi Jolfaei
Title: Rule-based Processing in Different Layers
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Serial Number 12 643,799

made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned:

COVENANT, that when requested and without compensation, but at the expense of the Assignee, in order to carry out in good faith the intent and purpose of this Assignment, the undersigned will (1) execute all provisional, non-provisional, divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; (2) execute all rightful oaths, declarations, assignments, powers of attorney and other papers; (3) communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; (4) cooperate with the Assignee in any interference, reexamination, reissue, opposition, dispute, or litigation involving any of the applications or patents for such improvements; and (5) take such further actions as the Assignee shall reasonably consider necessary or desirable for vesting title to such improvements in the Assignee, or for securing, maintaining and enforcing proper patent protection for such improvements;

THIS AGREEMENT IS TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned, and is to extend to the benefit of the successors, assigns and nominees of the Assignee.

AGREED as of the date of my signature below:

Inventor: 1:

(Signature): M. A. Aghadavoodi
Name: Masoud Aghadavoodi Jolfaei

Date: 13.01.2010

Witness: [Signature] 13.01.2010
Signature/Date

[Signature]
Full Name (Printed)