PATENT ASSIGNMENT

Electronic Version v1.1
Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Daniel Bauer	03/08/2011
Nicholas D. Butler	03/10/2011
Han Chen	03/07/2011
Kristijan Dragicevic	03/10/2011
Luis Garces-Erice	03/07/2011
Gidon Gershinsky	03/08/2011
Minkyong Kim	03/07/2011
Hui Lei	03/07/2011
David Rushall	03/10/2011
Marc-Thomas H. Schmidt	03/06/2011
Konstantin Shagin	03/10/2011
Hao Yang	03/10/2011
Liangzhao Zeng	03/07/2011

RECEIVING PARTY DATA

Name:	INTERNATIONAL BUSINESS MACHINES CORPORATION
Street Address:	NEW ORCHARD ROAD
City:	ARMONK
State/Country:	NEW YORK
Postal Code:	10504

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13046008

CORRESPONDENCE DATA

Fax Number: (972)733-1575

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 9723809475

501468348

**PATENT
REEL: 025962 FRAME: 0790**

Email:	whitton@walderiplaw.com
Correspondent Name:	STEPHEN J. WALDER, JR.
Address Line 1:	WALDER INTELLECTUAL PROPERTY LAW, P.C.
Address Line 2:	17330 PRESTON ROAD, SUITE 100B
Address Line 4:	DALLAS, TEXAS 75252

ATTORNEY DOCKET NUMBER:	YOR920100587US1
NAME OF SUBMITTER:	Stephen J. Walder, Jr.

Total Attachments: 32
source=YOR920100587US1 Assignment#page1.tif
source=YOR920100587US1 Assignment#page2.tif
source=YOR920100587US1 Assignment#page3.tif
source=YOR920100587US1 Assignment#page4.tif
source=YOR920100587US1 Assignment#page5.tif
source=YOR920100587US1 Assignment#page6.tif
source=YOR920100587US1 Assignment#page7.tif
source=YOR920100587US1 Assignment#page8.tif
source=YOR920100587US1 Assignment#page9.tif
source=YOR920100587US1 Assignment#page10.tif
source=YOR920100587US1 Assignment#page11.tif
source=YOR920100587US1 Assignment#page12.tif
source=YOR920100587US1 Assignment#page13.tif
source=YOR920100587US1 Assignment#page14.tif
source=YOR920100587US1 Assignment#page15.tif
source=YOR920100587US1 Assignment#page16.tif
source=YOR920100587US1 Assignment#page17.tif
source=YOR920100587US1 Assignment#page18.tif
source=YOR920100587US1 Assignment#page19.tif
source=YOR920100587US1 Assignment#page20.tif
source=YOR920100587US1 Assignment#page21.tif
source=YOR920100587US1 Assignment#page22.tif
source=YOR920100587US1 Assignment#page23.tif
source=YOR920100587US1 Assignment#page24.tif
source=YOR920100587US1 Assignment#page25.tif
source=YOR920100587US1 Assignment#page26.tif
source=YOR920100587US1 Assignment#page27.tif
source=YOR920100587US1 Assignment#page28.tif
source=YOR920100587US1 Assignment#page29.tif
source=YOR920100587US1 Assignment#page30.tif
source=YOR920100587US1 Assignment#page31.tif
source=YOR920100587US1 Assignment#page32.tif

ASSIGNMENT

Whereas, the undersigned Inventor(s) has/have made certain inventions, improvements, and discoveries (herein referred to as the "Invention") in:

Title of the Invention:
DECLARATIVE SERVICE DOMAIN FEDERATION

and further identified by the IBM Docket Number provided above in the header of this Assignment, for which an application for a United States Patent was executed concurrently herewith or was filed having:

Application No: __13/046,008__ (insert series code/serial number here if/when available)

Whereas, International Business Machines Corporation, a corporation of New York having a place of business at Armonk, New York (herein referred to as "IBM"), desires to acquire, and each undersigned Inventor desires to grant to IBM, the entire worldwide right, title, and interest in and to the Invention and in and to any and all patent applications and patents directed thereto;

Now, therefore, for good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, each undersigned Inventor ("ASSIGNOR") hereby sells, assigns, and otherwise transfers to IBM (the "ASSIGNEE"), its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the Invention, the above-identified United States patent application, and any and all other patent applications and patents for the Invention which may be applied for or granted therefor in the United States and in all foreign countries and jurisdictions, including all divisions, continuations, reissues, reexaminations, renewals, extensions, counterparts, substitutes, and extensions thereof, and all rights of priority resulting from the filing of such applications and granting of such patents. In addition, each undersigned Inventor hereby authorizes and requests the Director of the United States Patent and Trademark Office to issue any United States Patent, and foreign patent authorities to issue any foreign patent, granted for the Invention, to IBM, its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the same to be held and enjoyed by IBM, its successors, legal representatives, and assigns to the full end of the terms for which any and all such patents may be granted, as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made; and each undersigned Inventor agrees to execute any and all documents and instruments and perform all lawful acts reasonably related to recording this Assignment or perfecting title to the Invention and all related patents and applications, in IBM, its successors, legal representatives, and assigns, whenever requested by IBM, its successors, legal representatives, or assigns.

Each undersigned Inventor acknowledges their prior and ongoing obligations to sell, assign, and transfer the rights under this Assignment to IBM and is unaware of any reason why they may not have the full and unencumbered right to sell, assign, and transfer the rights hereby sold, assigned, and transferred, and has not executed, and will not execute, any document or instrument in conflict herewith. Each undersigned Inventor also hereby grants IBM, its successors, legal representatives, and assigns, the right to insert in this Assignment any further identification (including, but not limited to, patent Application Number) which may be necessary or desirable for recordation of this Assignment. This Assignment is governed by the substantive laws of the State of New York, and any disputes will be resolved in a New York state court or federal court sited in New York.

[Inventor Signature Page(s) Follows]

Page 1 of 4

Executed by Inventor 1

Signature: _D. Bros_   Date: _March 8, 2011_

Daniel Bauer

Executed by Inventor 2

Signature: _____ Date: _____

Nicholas D. Butler

Executed by Inventor 3

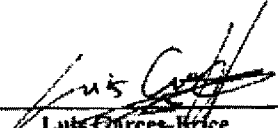Signature: _____ Date: _____

Han Chen

Executed by Inventor 4

Signature: _____ Date: _____

Kristijan Dragicevic

Executed by Inventor 5

Signature: _____ Date: _07 - MARCH - 2011_

Luis Garces-Brice

Page 2 of 4

__Executed by Inventor 6__

Signature: _____ Date: _____
Gidon Gershinsky

__Executed by Inventor 7__

Signature: _____ Date: _____
Minkyong Kim

__Executed by Inventor 8__

Signature: _____ Date: _____
Hui Lei

__Executed by Inventor 9__

Signature: _____ Date: _____
David Rushall

__Executed by Inventor 10__

Signature: _____ Date: _____
Marc-Thomas H. Schmidt

Executed by Inventor 11

Signature: _____ Date: _____

Konstantin Shagin

Executed by Inventor 12

Signature: _____ Date: _____

Hao Yang

Executed by Inventor 13

Signature: _____ Date: _____

Liangzhao Zeng

ASSIGNMENT

Whereas, the undersigned Inventor(s) has/have made certain inventions, improvements, and discoveries (herein referred to as the "Invention") in:

Title of the Invention:
DECLARATIVE SERVICE DOMAIN FEDERATION

and further identified by the IBM Docket Number provided above in the header of this Assignment, for which an application for a United States Patent was executed concurrently herewith or was filed having:

Application No: __13/046,008__ (insert series code/serial number here if/when available)

Whereas, International Business Machines Corporation, a corporation of New York having a place of business at Armonk, New York (herein referred to as "IBM"), desires to acquire, and each undersigned Inventor desires to grant to IBM, the entire worldwide right, title, and interest in and to the Invention and in and to any and all patent applications and patents directed thereto;

Now, therefore, for good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, each undersigned Inventor ("ASSIGNOR") hereby sells, assigns, and otherwise transfers to IBM (the "ASSIGNEE"), its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the Invention, the above-identified United States patent application, and any and all other patent applications and patents for the Invention which may be applied for or granted therefor in the United States and in all foreign countries and jurisdictions, including all divisions, continuations, reissues, reexaminations, renewals, extensions, counterparts, substitutes, and extensions thereof, and all rights of priority resulting from the filing of such applications and granting of such patents. In addition, each undersigned Inventor hereby authorizes and requests the Director of the United States Patent and Trademark Office to issue any United States Patent, and foreign patent authorities to issue any foreign patent, granted for the Invention, to IBM, its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the same to be held and enjoyed by IBM, its successors, legal representatives, and assigns to the full end of the terms for which any and all such patents may be granted, as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made; and each undersigned Inventor agrees to execute any and all documents and instruments and perform all lawful acts reasonably related to recording this Assignment or perfecting title to the Invention and all related patents and applications, in IBM, its successors, legal representatives, and assigns, whenever requested by IBM, its successors, legal representatives, or assigns.

Each undersigned Inventor acknowledges their prior and ongoing obligations to sell, assign, and transfer the rights under this Assignment to IBM and is unaware of any reason why they may not have the full and unencumbered right to sell, assign, and transfer the rights hereby sold, assigned, and transferred, and has not executed, and will not execute, any document or instrument in conflict herewith. Each undersigned Inventor also hereby grants IBM, its successors, legal representatives, and assigns, the right to insert in this Assignment any further identification (including, but not limited to, patent Application Number) which may be necessary or desirable for recordation of this Assignment. This Assignment is governed by the substantive laws of the State of New York, and any disputes will be resolved in a New York state court or federal court sited in New York.

[Inventor Signature Page(s) Follows]

Executed by Inventor 1

Signature: _____ Date: _____
Daniel Bauer

Executed by Inventor 2

Signature: _Nicholas D Butler_____ Date: _10 March 2011_
Nicholas D. Butler

Executed by Inventor 3

Signature: _____ Date: _____
Han Chen

Executed by Inventor 4

Signature: _____ Date: _____
Kristijan Dragicevic

Executed by Inventor 5

Signature: _____ Date: _____
Luis Garces-Erice

Page 2 of 4

Executed by Inventor 6

Signature: _____ Date: _____
　　　　　　　Gidon Gershinsky

Executed by Inventor 7

Signature: _____ Date: _____
　　　　　　　Minkyong Kim

Executed by Inventor 8

Signature: _____ Date: _____
　　　　　　　Hui Lei

Executed by Inventor 9

Signature: _____ Date: _10 March 2011_
　　　　　　　David Rushall

Executed by Inventor 10

Signature: _____ Date: _____
　　　　　　　Marc-Thomas H. Schmidt

Page 3 of 4

Executed by Inventor 11

Signature: _____ Date: _____
　　　　　　Konstantin Shagin

Executed by Inventor 12

Signature: _____ Date: _____
　　　　　　Hao Yang

Executed by Inventor 13

Signature: _____ Date: _____
　　　　　　Liangzhao Zeng

ASSIGNMENT

Whereas, the undersigned Inventor(s) has/have made certain inventions, improvements, and discoveries (herein referred to as the "Invention") in:

Title of the Invention:
DECLARATIVE SERVICE DOMAIN FEDERATION

and further identified by the IBM Docket Number provided above in the header of this Assignment, for which an application for a United States Patent was executed concurrently herewith or was filed having:

Application No: __13/046,008__ (insert series code/serial number here if/when available)

Whereas, International Business Machines Corporation, a corporation of New York having a place of business at Armonk, New York (herein referred to as "IBM"), desires to acquire, and each undersigned Inventor desires to grant to IBM, the entire worldwide right, title, and interest in and to the Invention and in and to any and all patent applications and patents directed thereto:

Now, therefore, for good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, each undersigned Inventor ("ASSIGNOR") hereby sells, assigns, and otherwise transfers to IBM (the "ASSIGNEE"), its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the Invention, the above-identified United States patent application, and any and all other patent applications and patents for the Invention which may be applied for or granted therefor in the United States and in all foreign countries and jurisdictions, including all divisions, continuations, reissues, reexaminations, renewals, extensions, counterparts, substitutes, and extensions thereof, and all rights of priority resulting from the filing of such applications and granting of such patents. In addition, each undersigned Inventor hereby authorizes and requests the Director of the United States Patent and Trademark Office to issue any United States Patent, and foreign patent authorities to issue any foreign patent, granted for the Invention, to IBM, its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the same to be held and enjoyed by IBM, its successors, legal representatives, and assigns to the full end of the terms for which any and all such patents may be granted, as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made; and each undersigned Inventor agrees to execute any and all documents and instruments and perform all lawful acts reasonably related to recording this Assignment or perfecting title to the Invention and all related patents and applications, in IBM, its successors, legal representatives, and assigns, whenever requested by IBM, its successors, legal representatives, or assigns.

Each undersigned Inventor acknowledges their prior and ongoing obligations to sell, assign, and transfer the rights under this Assignment to IBM and is unaware of any reason why they may not have the full and unencumbered right to sell, assign, and transfer the rights hereby sold, assigned, and transferred, and has not executed, and will not execute, any document or instrument in conflict herewith. Each undersigned Inventor also hereby grants IBM, its successors, legal representatives, and assigns, the right to insert in this Assignment any further identification (including, but not limited to, patent Application Number) which may be necessary or desirable for recordation of this Assignment. This Assignment is governed by the substantive laws of the State of New York, and any disputes will be resolved in a New York state court or federal court sited in New York.

[Inventor Signature Page(s) Follows]

Page 1 of 4

_____ Executed by Inventor 1 _____

Signature: _____ Date: _____
              Daniel Bauer

_____ Executed by Inventor 2 _____

Signature: _____ Date: _____
              Nicholas D. Butler

_____ Executed by Inventor 3 _____

Signature: _____ Date: _3/ 7 / 11_____
              Han Chen

_____ Executed by Inventor 4 _____

Signature: _____ Date: _____
              Kristijan Dragicevic

_____ Executed by Inventor 5 _____

Signature: _____ Date: _____
              Luis Garces-Erice

Executed by Inventor 6

Signature: _____ Date: _____
                Gidon Gershinsky

Executed by Inventor 7

Signature: _____ Date: 3/7/2011
                Minkyong Kim

Executed by Inventor 8

Signature: _____ Date: 3/7/2011
                Hui Lei

Executed by Inventor 9

Signature: _____ Date: _____
                David Rashall

Executed by Inventor 10

Signature: _____ Date: _____
                Marc-Thomas H. Schmidt

Page 3 of 4

Executed by Inventor 11

Signature: _____ Date: _____
Konstantin Shagin
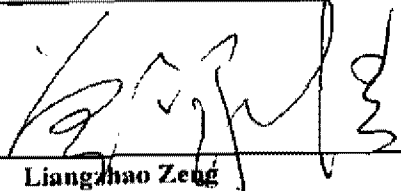
Executed by Inventor 12

Signature: _____ Date: _____
Hao Yang

Executed by Inventor 13

Signature: _____ Date: 3/7/2011
Liangzhao Zeng

ASSIGNMENT

Whereas, the undersigned Inventor(s) has/have made certain inventions, improvements, and discoveries (herein referred to as the "Invention") in:

Title of the Invention:
DECLARATIVE SERVICE DOMAIN FEDERATION

and further identified by the IBM Docket Number provided above in the header of this Assignment, for which an application for a United States Patent was executed concurrently herewith or was filed having:

Application No: __13/046,008__ (insert series code/serial number here if/when available)

Whereas, International Business Machines Corporation, a corporation of New York having a place of business at Armonk, New York (herein referred to as "IBM"), desires to acquire, and each undersigned Inventor desires to grant to IBM, the entire worldwide right, title, and interest in and to the Invention and in and to any and all patent applications and patents directed thereto;

Now, therefore, for good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, each undersigned Inventor ("ASSIGNOR") hereby sells, assigns, and otherwise transfers to IBM (the "ASSIGNEE"), its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the Invention, the above-identified United States patent application, and any and all other patent applications and patents for the Invention which may be applied for or granted therefor in the United States and in all foreign countries and jurisdictions, including all divisions, continuations, reissues, reexaminations, renewals, extensions, counterparts, substitutes, and extensions thereof, and all rights of priority resulting from the filing of such applications and granting of such patents. In addition, each undersigned Inventor hereby authorizes and requests the Director of the United States Patent and Trademark Office to issue any United States Patent, and foreign patent authorities to issue any foreign patent, granted for the Invention, to IBM, its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the same to be held and enjoyed by IBM, its successors, legal representatives, and assigns to the full end of the terms for which any and all such patents may be granted, as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made; and each undersigned Inventor agrees to execute any and all documents and instruments and perform all lawful acts reasonably related to recording this Assignment or perfecting title to the Invention and all related patents and applications, in IBM, its successors, legal representatives, and assigns, whenever requested by IBM, its successors, legal representatives, or assigns.

Each undersigned Inventor acknowledges their prior and ongoing obligations to sell, assign, and transfer the rights under this Assignment to IBM and is unaware of any reason why they may not have the full and unencumbered right to sell, assign, and transfer the rights hereby sold, assigned, and transferred, and has not executed, and will not execute, any document or instrument in conflict herewith. Each undersigned Inventor also hereby grants IBM, its successors, legal representatives, and assigns, the right to insert in this Assignment any further identification (including, but not limited to, patent Application Number) which may be necessary or desirable for recordation of this Assignment. This Assignment is governed by the substantive laws of the State of New York, and any disputes will be resolved in a New York state court or federal court sited in New York.

[Inventor Signature Page(s) Follows]

Executed by Inventor 1

Signature: _____ Date: _____
          Daniel Bauer

Executed by Inventor 2

Signature: _____ Date: _____
          Nicholas D. Butler

Executed by Inventor 3

Signature: _____ Date: _____
          Han Chen

Executed by Inventor 4

Signature: _Dragicevic_____ Date: _10.03.2011_
          Kristijan Dragicevic

Executed by Inventor 5

Signature: _____ Date: _____
          Luis Garces-Erice

Executed by Inventor 6

Signature: _____ Date: _____
          Gidon Gershinsky

Executed by Inventor 7

Signature: _____ Date: _____
          Minkyong Kim

Executed by Inventor 8

Signature: _____ Date: _____
          Hui Lei

Executed by Inventor 9

Signature: _____ Date: _____
          David Rushall

Executed by Inventor 10

Signature: _____ Date: _____
          Marc-Thomas H. Schmidt

Page 3 of 4

Executed by Inventor 11

Signature: _____ Date: _____
Konstantin Shagin

Executed by Inventor 12

Signature: _____ Date: _____
Hao Yang

Executed by Inventor 13

Signature: _____ Date: _____
Liangzhao Zeng

ASSIGNMENT

Whereas, the undersigned Inventor(s) has/have made certain inventions, improvements, and discoveries (herein referred to as the "Invention") in:

Title of the Invention:
DECLARATIVE SERVICE DOMAIN FEDERATION

and further identified by the IBM Docket Number provided above in the header of this Assignment, for which an application for a United States Patent was executed concurrently herewith or was filed having:

Application No: __13/046,008__ (insert series code/serial number here if/when available)

Whereas, International Business Machines Corporation, a corporation of New York having a place of business at Armonk, New York (herein referred to as "IBM"), desires to acquire, and each undersigned Inventor desires to grant to IBM, the entire worldwide right, title, and interest in and to the Invention and in and to any and all patent applications and patents directed thereto:

Now, therefore, for good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, each undersigned Inventor ("ASSIGNOR") hereby sells, assigns, and otherwise transfers to IBM (the "ASSIGNEE"), its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the Invention, the above-identified United States patent application, and any and all other patent applications and patents for the Invention which may be applied for or granted therefor in the United States and in all foreign countries and jurisdictions, including all divisions, continuations, reissues, reexaminations, renewals, extensions, counterparts, substitutes, and extensions thereof, and all rights of priority resulting from the filing of such applications and granting of such patents. In addition, each undersigned Inventor hereby authorizes and requests the Director of the United States Patent and Trademark Office to issue any United States Patent, and foreign patent authorities to issue any foreign patent, granted for the Invention, to IBM, its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the same to be held and enjoyed by IBM, its successors, legal representatives, and assigns to the full end of the terms for which any and all such patents may be granted, as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made; and each undersigned Inventor agrees to execute any and all documents and instruments and perform all lawful acts reasonably related to recording this Assignment or perfecting title to the Invention and all related patents and applications, in IBM, its successors, legal representatives, and assigns, whenever requested by IBM, its successors, legal representatives, or assigns.

Each undersigned Inventor acknowledges their prior and ongoing obligations to sell, assign, and transfer the rights under this Assignment to IBM and is unaware of any reason why they may not have the full and unencumbered right to sell, assign, and transfer the rights hereby sold, assigned, and transferred, and has not executed, and will not execute, any document or instrument in conflict herewith. Each undersigned Inventor also hereby grants IBM, its successors, legal representatives, and assigns, the right to insert in this Assignment any further identification (including, but not limited to, patent Application Number) which may be necessary or desirable for recordation of this Assignment. This Assignment is governed by the substantive laws of the State of New York, and any disputes will be resolved in a New York state court or federal court sited in New York.

(Inventor Signature Page(s) Follows]

Page 1 of 4

Executed by Inventor 1

Signature: _____ Date: _____
    Daniel Bauer

Executed by Inventor 2

Signature: _____ Date: _____
    Nicholas D. Butler

Executed by Inventor 3

Signature: _____ Date: _____
    Han Chen

Executed by Inventor 4

Signature: _____ Date: _____
    Kristijan Dragicevic

Executed by Inventor 5

Signature: _____ Date: _____
    Luis Garces-Erice

<u>Executed by Inventor 6</u>

Signature: _____ Date: _March 8, 2011_
          Gidon Gershinsky

<u>Executed by Inventor 7</u>

Signature: _____ Date: _____
          Minkyong Kim

<u>Executed by Inventor 8</u>

Signature: _____ Date: _____
          Hui Lei

<u>Executed by Inventor 9</u>

Signature: _____ Date: _____
          David Rushall

<u>Executed by Inventor 10</u>

Signature: _____ Date: _____
          Marc-Thomas H. Schmidt

Page 3 of 4

Executed by Inventor 11

Signature: _____ Date: _____
       Konstantin Shagin

Executed by Inventor 12

Signature: _____ Date: _____
       Hao Yang

Executed by Inventor 13

Signature: _____ Date: _____
       Liangzhao Zeng

ASSIGNMENT

Whereas, the undersigned Inventor(s) has/have made certain inventions, improvements, and discoveries (herein referred to as the "Invention") in:

Title of the Invention:
DECLARATIVE SERVICE DOMAIN FEDERATION

and further identified by the IBM Docket Number provided above in the header of this Assignment, for which an application for a United States Patent was executed concurrently herewith or was filed having:

Application No: **13/046,008** (insert series code/serial number here if/when available)

Whereas, International Business Machines Corporation, a corporation of New York having a place of business at Armonk, New York (herein referred to as "IBM"), desires to acquire, and each undersigned Inventor desires to grant to IBM, the entire worldwide right, title, and interest in and to the Invention and in and to any and all patent applications and patents directed thereto;

Now, therefore, for good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, each undersigned Inventor ("ASSIGNOR") hereby sells, assigns, and otherwise transfers to IBM (the "ASSIGNEE"), its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the Invention, the above-identified United States patent application, and any and all other patent applications and patents for the Invention which may be applied for or granted therefor in the United States and in all foreign countries and jurisdictions, including all divisions, continuations, reissues, reexaminations, renewals, extensions, counterparts, substitutes, and extensions thereof, and all rights of priority resulting from the filing of such applications and granting of such patents. In addition, each undersigned Inventor hereby authorizes and requests the Director of the United States Patent and Trademark Office to issue any United States Patent, and foreign patent authorities to issue any foreign patent, granted for the Invention, to IBM, its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the same to be held and enjoyed by IBM, its successors, legal representatives, and assigns to the full end of the terms for which any and all such patents may be granted, as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made; and each undersigned Inventor agrees to execute any and all documents and instruments and perform all lawful acts reasonably related to recording this Assignment or perfecting title to the Invention and all related patents and applications, in IBM, its successors, legal representatives, and assigns, whenever requested by IBM, its successors, legal representatives, or assigns.

Each undersigned Inventor acknowledges their prior and ongoing obligations to sell, assign, and transfer the rights under this Assignment to IBM and is unaware of any reason why they may not have the full and unencumbered right to sell, assign, and transfer the rights hereby sold, assigned, and transferred, and has not executed, and will not execute, any document or instrument in conflict herewith. Each undersigned Inventor also hereby grants IBM, its successors, legal representatives, and assigns, the right to insert in this Assignment any further identification (including, but not limited to, patent Application Number) which may be necessary or desirable for recordation of this Assignment. This Assignment is governed by the substantive laws of the State of New York, and any disputes will be resolved in a New York state court or federal court sited in New York.

[Inventor Signature Page(s) Follows]

Page 1 of 4

_____ **Executed by Inventor 1** _____

Signature: _____ Date: _____
       Daniel Bauer

_____ **Executed by Inventor 2** _____

Signature: _____ Date: _____
       Nicholas D. Butler

_____ **Executed by Inventor 3** _____

Signature: _____ Date: _____
       Han Chen

_____ **Executed by Inventor 4** _____

Signature: _____ Date: _____
       Kristijan Dragicevic

_____ **Executed by Inventor 5** _____

Signature: _____ Date: _____
       Luis Garces-Erice

Page 2 of 4

Executed by Inventor 6

Signature: _____ Date: _____
                Gidon Gershinsky

Executed by Inventor 7

Signature: _____ Date: _____
                Minkyong Kim

Executed by Inventor 8

Signature: _____ Date: _____
                Hui Lei

Executed by Inventor 9

Signature: _____ Date: _____
                David Rushall

Executed by Inventor 10

Signature: _____ Date: MARCH 6, 2011
                Marc-Thomas H. Schmidt

Page 3 of 4

Executed by Inventor 11

Signature: _____ Date: _____
Konstantin Shagin

Executed by Inventor 12

Signature: _____ Date: _____
Hao Yang

Executed by Inventor 13

Signature: _____ Date: _____
Liangzhao Zeng

ASSIGNMENT

Whereas, the undersigned Inventor(s) has/have made certain inventions, improvements, and discoveries (herein referred to as the "Invention") in:

Title of the Invention:
DECLARATIVE SERVICE DOMAIN FEDERATION

and further identified by the IBM Docket Number provided above in the header of this Assignment, for which an application for a United States Patent was executed concurrently herewith or was filed having:

Application No: __13/046,008__ (insert series code/serial number here if/when available)

Whereas, International Business Machines Corporation, a corporation of New York having a place of business at Armonk, New York (herein referred to as "IBM"), desires to acquire, and each undersigned Inventor desires to grant to IBM, the entire worldwide right, title, and interest in and to the Invention and in and to any and all patent applications and patents directed thereto;

Now, therefore, for good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, each undersigned Inventor ("ASSIGNOR") hereby sells, assigns, and otherwise transfers to IBM (the "ASSIGNEE"), its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the Invention, the above-identified United States patent application, and any and all other patent applications and patents for the Invention which may be applied for or granted therefor in the United States and in all foreign countries and jurisdictions, including all divisions, continuations, reissues, reexaminations, renewals, extensions, counterparts, substitutes, and extensions thereof, and all rights of priority resulting from the filing of such applications and granting of such patents. In addition, each undersigned Inventor hereby authorizes and requests the Director of the United States Patent and Trademark Office to issue any United States Patent, and foreign patent authorities to issue any foreign patent, granted for the Invention, to IBM, its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the same to be held and enjoyed by IBM, its successors, legal representatives, and assigns to the full end of the terms for which any and all such patents may be granted, as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made; and each undersigned Inventor agrees to execute any and all documents and instruments and perform all lawful acts reasonably related to recording this Assignment or perfecting title to the Invention and all related patents and applications, in IBM, its successors, legal representatives, and assigns, whenever requested by IBM, its successors, legal representatives, or assigns.

Each undersigned Inventor acknowledges their prior and ongoing obligations to sell, assign, and transfer the rights under this Assignment to IBM and is unaware of any reason why they may not have the full and unencumbered right to sell, assign, and transfer the rights hereby sold, assigned, and transferred, and has not executed, and will not execute, any document or instrument in conflict herewith. Each undersigned Inventor also hereby grants IBM, its successors, legal representatives, and assigns, the right to insert in this Assignment any further identification (including, but not limited to, patent Application Number) which may be necessary or desirable for recordation of this Assignment. This Assignment is governed by the substantive laws of the State of New York, and any disputes will be resolved in a New York state court or federal court sited in New York.

[Inventor Signature Page(s) Follows]

Executed by Inventor 1

Signature: _____ Date: _____
       Daniel Bauer

Executed by Inventor 2

Signature: _____ Date: _____
       Nicholas D. Butler

Executed by Inventor 3

Signature: _____ Date: _____
       Han Chen

Executed by Inventor 4

Signature: _____ Date: _____
       Kristijan Dragicevic

Executed by Inventor 5

Signature: _____ Date: _____
       Luis Garces-Erice

Executed by Inventor 6

Signature: _____ Date: _____
             Gidon Gershinsky

Executed by Inventor 7

Signature: _____ Date: _____
             Minkyong Kim

Executed by Inventor 8

Signature: _____ Date: _____
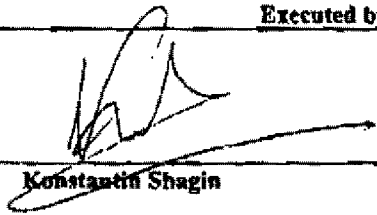   **Hui Lei**

Executed by Inventor 9

Signature: _____ Date: _____
             David Rushall

Executed by Inventor 10

Signature: _____ Date: _____
             Marc-Thomas H. Schmidt

_____ Executed by Inventor 11 _____

Signature: _____ Date: __10/3/2011__

Konstantin Shagin

_____ Executed by Inventor 12 _____

Signature: _____ Date: _____

Hao Yang

_____ Executed by Inventor 13 _____

Signature: _____ Date: _____

Liangzhao Zeng

ASSIGNMENT

Whereas, the undersigned Inventor(s) has/have made certain inventions, improvements, and discoveries (herein referred to as the "Invention") in:

Title of the Invention:
DECLARATIVE SERVICE DOMAIN FEDERATION

and further identified by the IBM Docket Number provided above in the header of this Assignment, for which an application for a United States Patent was executed concurrently herewith or was filed having:

Application No: __13/046,008__ (insert series code/serial number here if/when available)

Whereas, International Business Machines Corporation, a corporation of New York having a place of business at Armonk, New York (herein referred to as "IBM"), desires to acquire, and each undersigned Inventor desires to grant to IBM, the entire worldwide right, title, and interest in and to the Invention and in and to any and all patent applications and patents directed thereto;

Now, therefore, for good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, each undersigned Inventor ("ASSIGNOR") hereby sells, assigns, and otherwise transfers to IBM (the "ASSIGNEE"), its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the Invention, the above-identified United States patent application, and any and all other patent applications and patents for the Invention which may be applied for or granted therefor in the United States and in all foreign countries and jurisdictions, including all divisions, continuations, reissues, reexaminations, renewals, extensions, counterparts, substitutes, and extensions thereof, and all rights of priority resulting from the filing of such applications and granting of such patents. In addition, each undersigned Inventor hereby authorizes and requests the Director of the United States Patent and Trademark Office to issue any United States Patent, and foreign patent authorities to issue any foreign patent, granted for the Invention, to IBM, its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the same to be held and enjoyed by IBM, its successors, legal representatives, and assigns to the full end of the terms for which any and all such patents may be granted, as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made; and each undersigned Inventor agrees to execute any and all documents and instruments and perform all lawful acts reasonably related to recording this Assignment or perfecting title to the Invention and all related patents and applications, in IBM, its successors, legal representatives, and assigns, whenever requested by IBM, its successors, legal representatives, or assigns.

Each undersigned Inventor acknowledges their prior and ongoing obligations to sell, assign, and transfer the rights under this Assignment to IBM and is unaware of any reason why they may not have the full and unencumbered right to sell, assign, and transfer the rights hereby sold, assigned, and transferred, and has not executed, and will not execute, any document or instrument in conflict herewith. Each undersigned Inventor also hereby grants IBM, its successors, legal representatives, and assigns, the right to insert in this Assignment any further identification (including, but not limited to, patent Application Number) which may be necessary or desirable for recordation of this Assignment. This Assignment is governed by the substantive laws of the State of New York, and any disputes will be resolved in a New York state court or federal court sited in New York.

[Inventor Signature Page(s) Follows]

Page 1 of 4

Executed by Inventor 1

Signature: _____ Date: _____
    Daniel Bauer

Executed by Inventor 2

Signature: _____ Date: _____
    Nicholas D. Butler

Executed by Inventor 3

Signature: _____ Date: _____
    Han Chen

Executed by Inventor 4

Signature: _____ Date: _____
    Kristijan Dragicevic

Executed by Inventor 5

Signature: _____ Date: _____
    Luis Garces-Erice

Executed by Inventor 6

Signature: _____ Date: _____
Gidon Gershinsky

Executed by Inventor 7

Signature: _____ Date: _____
Minkyong Kim

Executed by Inventor 8

Signature: _____ Date: _____
Hui Lei

Executed by Inventor 9

Signature: _____ Date: _____
David Rushall

Executed by Inventor 10

Signature: _____ Date: _____
Marc-Thomas H. Schmidt

_____ Executed by Inventor 11 _____

Signature: _____ Date: _____
Konstantin Shagin

_____ Executed by Inventor 12 _____

Signature: _____ Date: 3/10/2011
Hao Yang

_____ Executed by Inventor 13 _____

Signature: _____ Date: _____
Liangzhao Zeng