504441501 07/03/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4488202

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
PERRY S. CHENG	03/02/2017
STEPHEN FINK	02/22/2017
VINOD MUTHUSAMY	03/02/2017
RODRIC RABBAH	03/30/2017
ALEKSANDER SLOMINSKI	03/03/2017

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:	15438444

CORRESPONDENCE DATA

Fax Number: (203)517-9615

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 203 433 3157 Email: docket@oeklaw.com

Correspondent Name: OTTERSTEDT, ELLENBOGEN & KAMMER, LLP

Address Line 1: P.O. BOX 381

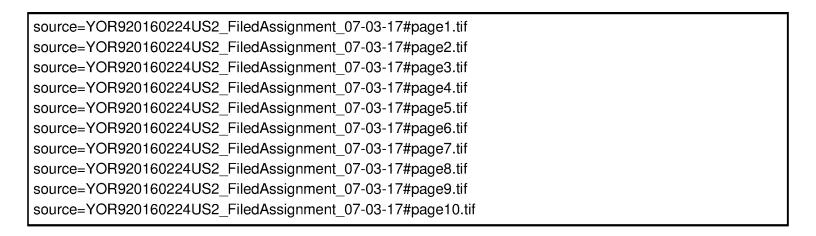
COS COB, CONNECTICUT 06807-0381 Address Line 4:

ATTORNEY DOCKET NUMBER:	YOR920160224US2
NAME OF SUBMITTER:	PAUL J. OTTERSTEDT
SIGNATURE:	/PAUL J. OTTERSTEDT/
DATE SIGNED:	07/03/2017
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 10

PATENT REEL: 042881 FRAME: 0884

504441501



PATENT REEL: 042881 FRAME: 0885

IBM DOCKET NUMBER: YOR920160224US2

DECLARATION (37 C.F.R. 1.63) FOR UTILITY PATENT APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76) AND ASSIGNMENT

Title of Invention: LANGUAGE-INDEPENDENT PROGRAM COMPOSITION USING CONTAINERS

As a below named inventor, I hereby declare that:	
This declaration is directed to the attached application, or (if	following box is checked):
	15/438,444
[X] United States application or PCT international applicatio filed on	n number
The above-identified application was made or authorized to	be made by me.
I believe that I am the original inventor or an original joint in application.	nventor of a claimed invention in the
I have reviewed and understand the contents of the application	on, including the claims.
I am aware of the duty to disclose to the United States Paten	t and Trademark Office all information

Whereas, the undersigned inventor(s) has/have made certain inventions, improvements, and discoveries (herein referred to as the "Invention") disclosed in the above-identified patent application and further identified by the IBM Docket Number provided above in the header of this document;

known to me to be material to patentability as defined in 37 CFR Section 1.56.

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 or has sold, assigns or has assigned, and otherwise transfers or has transferred 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.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

1) Legal Name of Inventor: Perry S.	Cheng		
Signature:		Date: Har 2, 25) (
2) Legal Name of Inventor: Stephen l	Fink		
Signature:		Date:	
(3) Legal Name of Inventor: Vinod M	luthusamy		
Signature:		Date:	
(4) Legal Name of Inventor: Rodric R	labbah		
Signature:		Date	~;~~·
(5) Legal Name of Inventor: Aleksand	der Słominski		
Signature:		Date:	

Page 2 of 2

Title of Invention: LANGUAGE-INDEPENDENT PROGRAM COMPOSITION USING CONTAINERS

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This declaration is directed to the attached application, or (if following	, box is checked);
[X] United States application of PCT international application number filed on	15/438,444
The above-identified application was made or authorized to be made by	y me.

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IBM DOCKET NUMBER: YOR920160224US2

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(1)	Legal Name of Inventor: Perry S. Cheng	
	Signature:	Date:
	Legal Name of Inventor: Stephen Fink	
	Signature: 54 SL	Date: <u>2/32/17</u>
(3)	Legal Name of Inventor: Vinod Muthusamy	
	Signature:	Date:
(4)	Legal Name of Inventor: Rodric Rabbah	
	Signature:	Date:
(5)	Legal Name of Inventor: Aleksander Slominski	
	Signature:	Date:

Page 2 of 2

Title of Invention: LANGUAGE-INDEPENDENT PROGRAM COMPOSITION USING CONTAINERS

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[x] United States application or PCT international application number 15/438,444 filed on
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(1) Legal Name of Invento	or: Perry S. Cheng	
Signature:		Date:
(2) Legal Name of Invento	or: Stephen Fink	
Signature:		Date:
(3) Legal Name of Invento	or: Vinod Muthusamy	
Signature: Vince		Date: <u>May 2, 2017</u>
(4) Legal Name of Invento	or: Rodric Rabbah	
Signature:		Date:
(5) Legal Name of Invento	or: Aleksander Slominski	
Signature:		Date:

Title of Invention: LANGUAGE-INDEPENDENT PROGRAM COMPOSITION USING CONTAINERS

그 사람들은 사람들이 되었다.	
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[x] United States application or PCT international application number	15/438,444
filed on02-21-2017	

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433 Leoni Name of Inventor Perry S. Cheno

Signature	Date:
(2) Legal Name of Inventor: Stephen Fink	
Signature:	Date:
(3) Legal Name of Inventor: Vinod Muthusamy	
Signature:	Date
4) Legal Name of Inventor: Rodric Rabbah	
Signature: //////	Date: 3/38// 2
5) Legal Name of Inventor: Aleksander Stominski	
Strature	Date

Title of Invention: LANGUAGE-INDEPENDENT PROGRAM COMPOSITION USING CONTAINERS

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Signature	Date:
(5) Legal Name of Inventor: Aleksander Slominski	
Signature:	Date: Mas/3-/2017

Page 2 of 2