

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
KYLE LEE JOSEPH THAYER	06/16/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	CA, INC.
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<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14748056
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<b>ATTORNEY DOCKET NUMBER:</b>	104.US20150361US1
<b>NAME OF SUBMITTER:</b>	JUDITH HUERTA
<b>SIGNATURE:</b>	/Judith Huerta/
<b>DATE SIGNED:</b>	06/23/2015
<b>Total Attachments: 2</b>	
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source=US20150361US1_SignedAssignment#page2.tif	

ASSIGNMENT

DOCKET NUMBER: US20150361US1

TITLE: DEBUGGING USING PROGRAM STATE DEFINITIONS

This assignment is directed to the patent application(s) identified above and accompanying this Assignment. The patent application(s) accompanying this Assignment are referred to as the "Application." The term "Invention" means any disclosure, invention, improvement, or discovery disclosed in the Application.

We, the undersigned, hereby assign or have assigned, and otherwise transfer or have transferred to CA, Inc., a Delaware corporation having a principal place of business at 520 Madison Avenue, 22<sup>nd</sup> Floor, New York, New York 10022, and any of its successors, legal representatives, and assigns our entire worldwide right, title, and interest in and to the Invention, the Application, and any and all other patent applications and patents for the Invention which may be applied for or granted therefrom in the United States and in all foreign countries and jurisdictions, including all continuing applications (i.e., divisionals, continuations, continuations-in-part), 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 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 CA, Inc., its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the same to be held and enjoyed by CA, Inc., 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.

Each undersigned inventor also 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, for CA, Inc., its successors, legal representatives, and assigns, whenever requested by CA, Inc., its successors, legal representatives, or assigns.

The undersigned inventor further agrees to: (a) cooperate with CA, Inc. in the protection of the Invention and prosecution of domestic and foreign patent applications claiming the Invention; (b) execute, verify, acknowledge and deliver further documents, including patent applications and instruments of transfer; and (c) perform such other acts as CA, Inc. lawfully may request to obtain or maintain any patent arising from the Application and any and all applications and registrations for the Invention in any and all countries.

Each undersigned inventor acknowledges their prior and ongoing obligations to sell, assign, and transfer the rights under this Assignment to CA, Inc. and is unaware of any reason why they may not have the full and unencumbered right to assign and transfer the rights hereby assigned, and

transferred, and has not executed, and will not execute, any document or instrument in conflict herewith. Each undersigned inventor also hereby grants CA, Inc., its successors, legal representatives, and assigns, the right to insert in this Assignment any further identification (including, but not limited to, the Application) 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.

Kyle Lee Joseph Thayer

Signature: 

Date 06-16-15