

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4467406

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
LAURENCE S. KAPLAN	07/26/2012
PRESTON P. BRIGGS III	08/03/2012
MILES A. OHLRICH	07/23/2012
WILLARD H. LESLIE	07/20/2012
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	CRAY, INC.
<b>Street Address:</b>	901 FIFTH AVENUE, SUITE 1000
<b>City:</b>	SEATTLE
<b>State/Country:</b>	WASHINGTON
<b>Postal Code:</b>	98164
<b>PROPERTY NUMBERS Total: 2</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15625957
<b>Application Number:</b>	15625985
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<i>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.</i>	
<b>Email:</b>	patentprocurement@perkinscoie.com
<b>Correspondent Name:</b>	PERKINS COIE LLP
<b>Address Line 1:</b>	1201 THIRD AVENUE, SUITE 4900
<b>Address Line 4:</b>	SEATTLE, WASHINGTON 98101
<b>ATTORNEY DOCKET NUMBER:</b>	032475-8075.US02
<b>NAME OF SUBMITTER:</b>	PETER SHER
<b>SIGNATURE:</b>	/ps/
<b>DATE SIGNED:</b>	06/19/2017
<b>Total Attachments: 6</b>	
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## ASSIGNMENT BY INVENTORS

This Assignment is by the following individuals (the "Assignors"):

- Laurence S. Kaplan having a mailing address of 1050 Lowater Road, Chippewa Falls, WI 54729;
- Preston P. Briggs III having a mailing address of 1050 Lowater Road, Chippewa Falls, WI 54729;
- Miles A. Ohlrich having a mailing address of 1050 Lowater Road, Chippewa Falls, WI 54729; and
- Willard H. Leslie having a mailing address of 1050 Lowater Road, Chippewa Falls, WI 54729.

The Assignors invented one or more certain inventions (the "Invention(s)") described in an application for Letters Patent of the United States titled RESILENCY TO MEMORY FAILURES IN COMPUTER SYSTEMS, and filed on May 21, 2012 as U.S. Application No. 13/476,819 (the "Application").

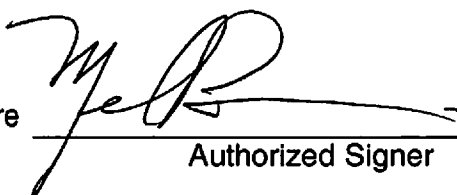
Cray Inc., a Corporation of Washington having its principal place of business at 901 Fifth Avenue, Suite 1000, Seattle, WA 98164 (the "Assignee"), desire to acquire the entire right, title and interest in and to the Invention(s) and the Application, and in and to any patents (collectively, "Patents") that may be granted for the Invention(s) in the United States or in any foreign countries.

For valuable consideration, the receipt and sufficiency of which Assignors acknowledge, Assignors hereby sell, assign, and transfer to Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to: the Invention(s), the Application, and any Patents; any divisions, continuations, and continuations-in-part of the Application and any other application claiming priority rights from the Application; any reissues, reexaminations, or extensions of any and all Patents; the right to file foreign applications directly in the name of Assignee; and the right to claim priority rights deriving from the Application (collectively, the "Rights"). Assignors warrant that Assignors own the Rights, and that the Rights are

unencumbered. Assignors also agree to not sign any writing or do any act conflicting with this assignment, and, without further compensation, sign all documents and do such additional acts as Assignee deem necessary or desirable to: perfect Assignee's enjoyment of the Rights; conduct proceedings regarding the Rights, including any litigation or interference proceedings; or perfect or defend title to the Rights. Assignors request the Commissioner of Patents to issue any Patent of the United States that may be issued on the Invention(s) to Assignee. This Assignment may be executed in counterparts.

FOR CRAY INC.:

Date: 7/27/12

Signature  \_\_\_\_\_  
Authorized Signer

Michael C. Piraino  
Authorized Signer – Printed Name

VP Administration  
and General Counsel  
Authorized Signer – Title

Date: 7/26/12

Signature *Laurence S. Kaplan*  
Laurence S. Kaplan

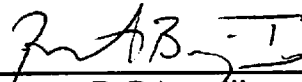
United States of America )  
State of Washington ) ss.  
County of King )

On this 26<sup>th</sup> day of July, 2012 before me personally came Laurence S. Kaplan, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

*Carol Lynn Cole*  
Notary Public

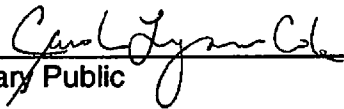


Date: Aug 3, 2012

Signature   
Preston P. Briggs III

United States of America )  
State of Washington ) ss.  
County of King )

On this 3<sup>rd</sup> day of August, 2012 before me personally came Preston P. Briggs III, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

  
Notary Public



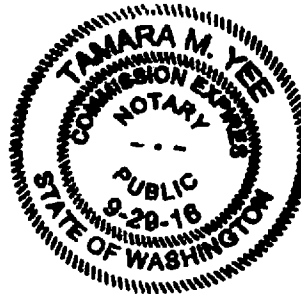
Date: 7/23/2012

Signature Miles A Ohrich  
Miles A. Ohrich

United States of America )  
State of Washington ) ss.  
County of King )

On this 23rd day of July, 2012 before me personally came Miles A. Ohrich, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Notary Public [Signature]



Date: 7/20/17

Signature Willard H Leslie  
Willard H. Leslie

United States of America )  
State of WA ) ss.  
County of King )

On this 20<sup>th</sup> day of July, 2017 before me  
personally came Willard H. Leslie, to me known to be the individual  
described in and who executed the foregoing instrument, and acknowledged execution  
of the same.

[Signature]  
Notary Public

