504229171 02/15/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4275848

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ANDY BECKER	12/05/2016
PAUL WILDES	12/05/2016
HYUNJUN KIM	12/05/2016
SHAWN UTZ	12/05/2016

RECEIVING PARTY DATA

Name:	CRAY INC.
Street Address:	901 FIFTH AVENUE
Internal Address:	SUITE 1000
City:	SEATTLE
State/Country:	WASHINGTON
Postal Code:	98164

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15428865

CORRESPONDENCE DATA

Fax Number: (952)896-3333

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.

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Email: ipgroup@larkinhoffman.com

Correspondent Name: CRAIG J. LERVICK

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Address Line 2: SUITE 1000

Address Line 4: MINNEAPOLIS, MINNESOTA 55437

NAME OF SUBMITTER: CRAIG J. LERVICK SIGNATURE: /CRAIG J. LERVICK/	ATTORNEY DOCKET NUMBER:	34509.10151US01
	NAME OF SUBMITTER:	CRAIG J. LERVICK
DATE CIONED 00/45/0047	SIGNATURE:	/CRAIG J. LERVICK/
DATE SIGNED: 02/15/2017	DATE SIGNED:	02/15/2017

Total Attachments: 5

PATENT REEL: 041262 FRAME: 0361



PATENT REEL: 041262 FRAME: 0362

PATENT ASSIGNMENT

WHEREAS, I/we the undersigned, (each hereinafter referred to as "Assignor"), have invented certain new and useful inventions as disclosed and/or claimed in the following patent application (the "Application"):

1. US Patent Application No.: <u>15/428,865</u>, entitled; "METHOD FOR IMPEDANCE COMPENSATION IN PRINTED CIRCUIT BOARDS" filed _February 9, 2017 ;

WHEREAS, **Cray Inc.**, a Washington corporation, having a place of business at 901 Fifth Avenue, Suite 1000 Seattle, WA 98164, (hereinafter referred to as "Assignee"), is desirous of acquiring the entire right, title and interest in and to said Application and any and all patents of the United States and all foreign countries which may issue therefrom or claim priority thereto;

NOW, THEREFORE, for One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor does hereby sell, assign, transfer and set over unto Assignee, the entire right, title and interest in and to the Application and the inventions disclosed and/or claimed therein, and in and to all patents of the United States and in any and all foreign countries which may issue therefrom, along with all patent applications that relate thereto, including all continuations, continuations-in-part, divisionals, reexaminations and reissues thereof in the United States and the equivalents thereof in any and all foreign countries, together with all rights to income, royalties, damages and payments now or hereafter due or payable with respect thereto, and to all causes of action (either in law or in equity) associated therewith, including all rights to sue, counterclaim, and recover for infringement thereof and to obtain all other possible remedies for Assignee's own use and enjoyment as fully and completely as the same would have been held by Assignor had this Assignment and sale not been made. The said entire right, title and interest shall vest irrevocably in Assignee, and this Assignment shall inure to the benefit of Assignee, its successors, assigns and legal representatives, and shall be binding upon Assignor, and Assignor's successors, assigns, and legal representatives.

Assignor covenants and agrees, upon request by Assignee, without additional compensation, but at no expense to Assignor, to execute or assent to foreign applications, and to execute all papers, assignments or other documents as requested by Assignee, and Assignor covenants to provide testimony by affidavit or otherwise on behalf of Assignee in any proceeding before the United States Patent and Trademark Office ("USPTO"), foreign patent authority, state or federal court, or other decision-making body, and that, in general, Assignor covenants to cooperate fully with Assignee as necessary or desirable to vest the enjoyment of, and to secure, perfect, maintain or enforce said entire right, title and interest in and to said Application and any patents issuing therefrom or related thereto in and to Assignee. Assignor further covenants that no instrument has been executed that is contrary to this Assignment nor has Assignor taken any action contrary to this Assignment nor will Assignor do so in the future.

Assignor hereby authorizes post-signature entry of the filing date and serial number assigned to the Application by the USPTO in the spaces provided above in order to ensure proper identification of the Application being assigned hereby.

PATENT REEL: 041262 FRAME: 0363

Assignor		
Signed: .	Andy Hecker	<u>05Dec 2016</u> Date:
Signed:	Hyunjim Kim	Date:
Signed:	N)	
	Shawn Utz	Date:
Signed:	Paul Wikles	12/5/16 Date:
	TOTH AN ENGLY	Date.
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Assigne	ec:	
Cray In	c.	
Signed:	Name:	Date:
	Title:	Course.
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Assigno	FS:	
Signed:	Andy Becker	Date:
Signed:	Hyunjun Kim	05 DEC 2016 Date:
Signed:	Shawn Utz	Date:
Signed:	Paul Wildes	Date:
Assignee	ð:	
Cray Inc		
Signed:	Name: Title:	Date:
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Assigno	RS.	
Signed:	Andy Becker	Date:
Signed:	Hyunjim Kim	Date:
Signed:	Shawn Utz J	12/12/2016 Date:
Signed:	Paul Wildes	Date:
Assigne	e:	
Cray Inc	o.	
Signed:	Name: Title:	Date:
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2.

Assignor	S::	
Signed:	Andy Becker	Date:
Signed:	Hyunjun Kim	Date:
Signed:	Shawn Utz	Date:
Signed:	Paul Wildes	Date:
Assignee	<u> </u>	
Signed:	Name: MICHAEL F FLEXA, NG Title: DEPUTY GENERAL COMING	5 - DEC - 2-0 14 Date:
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2.

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