503729534 03/09/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3776177

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|----------------|----------------|
| JOSH WILLIAMS | 02/09/2016 |
| STEVE MARTIN | 02/09/2016 |
| CLARK SNYDER | 02/22/2016 |
| DAVID RUSH | 02/10/2016 |
| MATTHEW KAPPEL | 02/09/2016 |

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: | 14978990 |

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.

Phone: 9528963245

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CRAIG J. LERVICK **Correspondent Name:**

8300 NORMAN CENTER DRIVE Address Line 1:

Address Line 2: **SUITE 1000**

Address Line 4: MINNEAPOLIS, MINNESOTA 55437

| ATTORNEY DOCKET NUMBER: | 34509.10149US01 |
|-------------------------|--------------------|
| NAME OF SUBMITTER: | CRAIG J. LERVICK |
| SIGNATURE: | /CRAIG J. LERVICK/ |
| DATE SIGNED: | 03/09/2016 |

PATENT REEL: 037935 FRAME: 0930 503729534

Total Attachments: 6 source=Assignment_1107#page1.tif source=Assignment_1107#page2.tif source=Assignment_1107#page3.tif source=Assignment_1107#page4.tif source=Assignment_1107#page5.tif source=Assignment_1107#page6.tif

PATENT REEL: 037935 FRAME: 0931

PATENT ASSIGNMENT

WHEREAS, I/we the undersigned, (hereinafter, "Assignor"), have invented certain new and useful inventions as disclosed and/or claimed in U.S. Patent Application No. 14/978,990, entitled: "APPLICATION RAMP RATE CONTROL IN LARGE INSTALLATIONS" filed December 22, 2015, (hereinafter referred to as the "Application"); and

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.

The Commissioner of Patents and the officials with comparable authority over patents in foreign countries are hereby authorized and directed to issue in the name of Assignee, or as otherwise directed by Assignee, any and all patents which may issue from said Application.

PATENT REEL: 037935 FRAME: 0932

| Assignor | rs: // | 7/9/2016 |
|-----------|----------------|----------------|
| Signed: | Josh Williams | Date: 7 7 20/8 |
| Signed: | Steve Martin | Date: |
| Signed: | Clark Snyder | Date: |
| Signed: | David Rush | Date: |
| Signed: | Matthew Kappel | Date: |
| 10149US01 | (34124.00323) | |

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| Signed: | Sieve Martin / */ | Date: |
| | Clark Snyder | Date: |
| Signed: | David Rush | Date: |
| Signed: | Matthew Kappel | Date: |
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| Signed: | Josh Williams | Date; |
| Signed: | Steve Martin | Date: |
| Signed: | Clark Snyder | 2/22/2016 Date; |
| Signed: | David Rush | Date: |
| Signed: | Matthew Kappel | Date: |
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| Signed: | Josh Williams | Date: |
| Signed: | Steve Martin | Date: |
| Signed: | Clark Snyder | Date: |
| ~ Signed: | David Rush | 2016/02/10 Date: |
| Signed: | Matthew Kappel | Date: |
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| Assigno | rs; | |
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| Signed: | Josh Williams | Date: |
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| Signed: | | |
| | Steve Martin | Date: |
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| Signed: | Clark Snyder | Date: |
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| Signed: | | |
| | David Rush | Date: |
| Signed: | Master Pint | 2016-02-09 |
| | Matthew Kappel | Date: |
| 10110011001 | (34124.00323) | |
| 1014500000 | (Commonweal) | |

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