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Atty Ref/Docket No.: 1376.791US1

Patent and Trademark Office

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1. Name of conveying party(ies):

William F. Long

Additional name(s) of conveying party(ies) attached?

[] Yes [X] No

3. Nature of conveyance:

[X] Assignment [] Merger
[] Security Agreement [] Change of Name
[] Other

2. Name and address of receiving party(ies):

Name: Cray Inc.

Street Address: 901 Fifth Avenue
Suite 1000City: Seattle State: WA Zip: 98164
Country: United States of AmericaAdditional name(s) & address(es) attached? [] Yes
[X] NoExecution Date: June 21, 2010

4. Application number(s) or parent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

B. Patent No.(s)

Serial No. 12/814,101, filed June 11, 2010

Additional numbers attached? [] Yes [X] No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: John M. Dahl

Address:

Schwegman, Lundberg & Woessner, P.A.
P.O. Box 2938
Minneapolis, MN 55402--09386. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41): \$ 40.00

[] Enclosed

[X] Authorized to be charged to deposit account
19-0743

8. Please charge any additional fees or credit any over payments to our Deposit Account No.: 19-0743

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

John M. Dahl/Reg. No. 44,639

Name of Person Signing



Signature

July 13 '10

Date

Total number of pages including cover sheet: 4

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks
Mail Stop Assignment Recordation Services
P.O. Box 1450
Alexandria, VA 22313-1450

Attorney Docket No. 1376.791US1
Client Ref. No. Black Widow

ASSIGNMENT

WHEREAS, I, William F. Long, residing at 1818 Summit Avenue, St. Paul, MN 55105, made certain new and useful inventions and improvements which are described in an application for U.S. Letters Patent on June 11, 2010, which application was assigned U.S. patent application serial number 12/814,101, and is entitled INCLUSIVE OR BIT MATRIX TO COMPARE MULTIPLE CORRESPONDING SUBFIELDS;

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned do hereby:

SELL, ASSIGN AND TRANSFER to Cray Inc. (the "Assignee"), a corporation of the State of Washington, having a place of business at 901 Fifth Avenue, Suite 1000, Seattle, WA 98164, the entire right, title and interest for the United States and all foreign countries in and to: any and all inventions and improvements which are disclosed in the identified application for U.S. Letters Patent, and which may be further identified below; such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States (including all provisional and non-provisional applications), and in all foreign countries on any of such inventions and/or improvements (including any applications for utility models); all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such inventions and/or improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and to claim priority based on the identified application;

AUTHORIZE AND REQUEST that any attorney associated with U.S. PTO Customer No. 21186 may (directly or through his/her designee) delete, insert, or alter any information identifying this application, or any related application, below, after execution of this Assignment;

Additional Application Information

U.S. Provisional Application Serial No. 61/186,810, filed on June 12, 2009.

No International or foreign claim for priority is being made at this time.

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and/or property herein conveyed has been or will be

ASSIGNMENT

Client Ref. No. Black Widow

Assignors: William F. Long

Title: INCLUSIVE OR BIT MATRIX TO COMPARE MULTIPLE CORRESPONDING SUBFIELDS

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made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, that when requested and without compensation, but at the expense of the Assignee, in order to carry out in good faith the intent and purpose of this Assignment, the undersigned will (1) execute all provisional, non-provisional, divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; (2) execute all rightful oaths, declarations, assignments, powers of attorney and other papers; (3) communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; (4) cooperate with the Assignee in any interference, reexamination, reissue, opposition, dispute, or litigation involving any of the applications or patents for such improvements; and (5) take such further actions as the Assignee shall reasonably consider necessary or desirable for vesting title to such improvements in the Assignee, or for securing, maintaining and enforcing proper patent protection for such improvements;

THIS AGREEMENT IS TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned, and is to extend to the benefit of the successors, assigns and nominees of the Assignee.

AGREED as of the date of my signature below:

ASSIGNMENT

Docket No: 1376.791U51

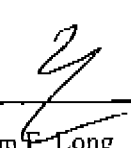
Client Ref: No. Black Widow

Assignors: William F. Long

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IN TESTIMONY WHEREOF, I have hereunto set my hand this 21 day ofJune, 2010.

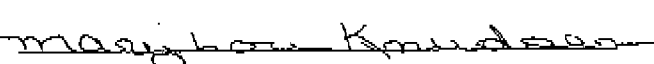
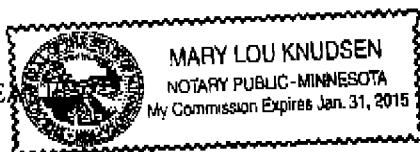
William F. LongSTATE OF Minnesota

)ss

COUNTY OF Ramsey

On this 21 day of June, 2010 before me personally appeared William F. Long, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SE]



Notary Public



SCHWEGMAN • LUNDBERG • WOESSNER
PATENT PROTECTION FOR HIGH TECHNOLOGY

P.O. Box 2938
Minneapolis, MN 55402
Telephone (612) 373-6900 Facsimile (612) 339-3061

Date: July 14, 2010

Time: 10:27 AM
(Minneapolis, Minn.)

TO: Commissioner for Patents
Attn: Assignment Recordation Services
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Facsimile Center
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Alexandria, VA 22313-1450

FROM: John M. Dahl

OUR REF: 1376.791US1

FAX NUMBER 571-273-0140

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at 612-339-3061.

In re. Patent Application of: William F. Long

Examiner: Unknown

Serial No.: 12/814,101

Group Art Unit: 2629

Filed: June 11, 2010

Docket No.: 1376.791US1

Title: INCLUSIVE OR BIT MATRIX TO COMPARE MULTIPLE CORRESPONDING
SUBFIELDS

Please charge any additional fees or credit overpayment to Deposit Account No. 19-0743.

By: John M. Dahl
Name: John M. Dahl
USPTO Reg. No. 44,639

I hereby certify that this paper is being transmitted by facsimile to the U.S. Patent and Trademark Office on the date shown below.

Jamie Ehlers
Jamie Ehlers

July 14, 2010
Date of Transmission