

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4110966

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MARK S BIRRITTELLA	01/25/1994
RICHARD E KESSLER	01/24/1994
STEVEN M OBERLIN	01/21/1994
RANDAL S PASSINT	01/26/1994
GREG THORSON	01/24/1994
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	CRAY RESEARCH, INC.
<b>Street Address:</b>	655F LONE OAK ROAD
<b>City:</b>	EAGAN
<b>State/Country:</b>	MINNESOTA
<b>Postal Code:</b>	55121
<b>PROPERTY NUMBERS Total: 2</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	08662868
<b>Application Number:</b>	08661908
<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>Phone:</b>	415-248-2120
<b>Email:</b>	tpham@polsinelli.com
<b>Correspondent Name:</b>	POLSINELLI LLP
<b>Address Line 1:</b>	3 EMBARCADERO CENTER
<b>Address Line 2:</b>	1350
<b>Address Line 4:</b>	SAN FRANCISCO, CALIFORNIA 94111
<b>ATTORNEY DOCKET NUMBER:</b>	SGI-240DVA/DVB
<b>NAME OF SUBMITTER:</b>	MIYA YUSA
<b>SIGNATURE:</b>	/Miya Yusa/
<b>DATE SIGNED:</b>	10/24/2016

**Total Attachments: 4**

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### ASSIGNMENT

WHEREAS, WE, Mark S. Birrittella, Route 5, Box 576AA, Chippewa Falls, WI 54729; Richard E. Kessler, 3732 Oakhill Place, Eau Claire, WI 54703; Steven M. Oberlin, 20 Peterson Lane, Chippewa Falls, WI 54729; Randal S. Passint, 90 Grady Drive, Chippewa Falls, WI 54729 and Greg Thorson, 1119 Sweet Water Close, Altoona, WI 54720, made certain new and useful inventions and improvements for which We executed an application for Letters Patent of the United States on December 10, 1993 which was assigned US serial number 08/165,266 which is entitled MULTIDIMENSIONAL INTERCONNECTION AND ROUTING NETWORK FOR AN MPP COMPUTER.

AND WHEREAS, CRAY RESEARCH, INC., a corporation organized and existing under and by virtue of the laws of the State of DELAWARE, and having an office and place of business at 655F Lone Oak Road, Eagan, Minnesota, 55121 (hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor;

NOW THEREFORE, to all whom it may concern, be it known that for and in consideration of the sum of One Dollar and other good and valuable considerations, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

REEL 1021 FRAME 134

AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me/us and that full right to convey the same as herein expressed is possessed by us.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 25<sup>th</sup> day of January, 1994

Mark S. Birrittella

Mark S. Birrittella

STATE OF Wisconsin )  
COUNTY OF Chippewa ) ss.

On this 25<sup>th</sup> day of January, 1994 before me personally appeared Mark S. Birrittella  
\_\_\_\_\_ 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.

[SEAL]

Ramon Gutierrez  
Notary Public

REEL 1027 FRAME 135

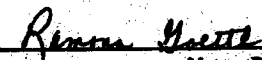
IN TESTIMONY WHEREOF, I have hereunto set my hand this 24<sup>th</sup> day of January  
1994

  
Richard E. Kessler

STATE OF Wisconsin  
COUNTY OF Chippewa ) ss.

On this 25<sup>th</sup> day of January, 1994 before me personally appeared Richard E. Kessler  
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.

[SEAL]

  
Notary Public


IN TESTIMONY WHEREOF, I have hereunto set my hand this 21<sup>st</sup> day of January  
1994

  
Steven M. Oberlin

STATE OF Wisconsin )  
COUNTY OF Chippewa ) ss.

On this 21<sup>st</sup> day of January, 1994 before me personally appeared Steven M. Oberlin  
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.

[SEAL]

  
Notary Public

REEL 7027 FRAME 136

IN TESTIMONY WHEREOF, I have hereunto set my hand this 26<sup>th</sup> day of January  
1994

Randal S. Passint  
Randal S. Passint

STATE OF Wisconsin )  
COUNTY OF Chippewa ) ss.

On this 26<sup>th</sup> day of January, 1994 before me personally appeared Randal S. Passint  
\_\_\_\_\_ 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.

[SEAL]

Ramon Hottel  
Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand this 27<sup>th</sup> day of January  
1994

Greg Thorson  
Greg Thorson

STATE OF Wisconsin )  
COUNTY OF Chippewa ) ss.

On this 27<sup>th</sup> day of January, 1994 before me personally appeared Greg Thorson  
\_\_\_\_\_ 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.

[SEAL]

Ramon Hottel  
Notary Public

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Revised 4/30/90

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