

11-07-2002

Atty Ref/Docket No.: 884.660US1



102275014

To the Honorable Commissioner of Patents and Trademarks

copy thereof.

1. Name of conveying party(ies):

Oleg Awsienko, Edward Butler, Gary L. McAlpine,  
David B. Minturn, Joseph Schaefer and Gary A. Solomon

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

Name: Intel Corporation

Additional name(s) of conveying party(ies) attached? [ ] Yes [X] No

Street Address: 2200 Mission College Blvd.

3. Nature of conveyance:

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

City: Santa Clara State: CA ZIP: 95052

Additional name(s) & address(es) attached? [ ] Yes [X] No

Execution Date: January 28, 2002; February 6, 2002; January 22, 2002;  
February 1, 2002; February 4, 2002; October 24, 2002

4. Application number(s) or patent 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. 10/005,895, filed November 2, 2001

Additional numbers attached? [ ] Yes [X] No

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

Name: Ann M. McCrackin

6. Total number of applications and patents involved: 1

Address: Schwegman, Lundberg, Woessner & Kluth, P.A.  
P.O. Box 2938  
Minneapolis, MN 55402

7. Total fee (37 CFR 3.41): \$ 40.00

[X] Enclosed  
[ ] Authorized to be charged to deposit account

8. Please charge any additional fees or credit any overpayments to our  
Deposit account number: 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.

Ann M. McCrackin/Reg. No. 42,858

Name of Person Signing

*Ann M. McCrackin*  
Signature

*Oct. 28, 2002*  
Date

Total number of pages including cover sheet: 19

OMB No. 0651-0011 (exp. 4/94)

11/06/2002 LNUELLER 00000184 10005895

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PATENT  
REEL: 013453 FRAME: 0335

## ASSIGNMENT

WHEREAS, WE, Oleg Awsienko, residing at 13822 S. 31st. Pl, Phoenix, AZ 85048, and Edward Butler, residing at 3181 S. Greythorne Way, Chandler, AZ 85248, and Gary L. McAlpine, residing at 21600 N.W. Pihl Rd., Banks, OR 97106, and David B. Minturn, residing at 17125 Chehalen Way, Hillsboro, OR 97123, and Joseph Schaefer, residing at 714 West Hemlock Way, Chandler, AZ 85248, and Gary A. Solomon, residing at 17 Grasshopper Lane, Acton, MA 01720, made certain new and useful inventions and improvements for which We filed an application for Letters Patent of the United States on November 2, 2001, which application was assigned U.S. patent application serial number 10/005,895, and is entitled MULTIPLE-DOMAIN PROCESSING SYSTEM USING HIERARCHICALLY ORTHOGONAL SWITCHING FABRIC.

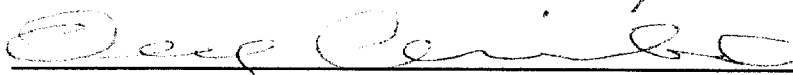
AND WHEREAS, Intel Corporation, a corporation organized and existing under and by virtue of the laws of the State of Delaware, and having an office and place of business at 2625 Walsh Avenue, Santa Clara, CA 95051, (hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefore;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, 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, continuations-in-part, 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.

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 28 day of January, 2002.

  
\_\_\_\_\_  
Oleg Awsienko

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_ day of \_\_\_\_\_, 2002.

\_\_\_\_\_  
Edward Butler

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_ day of \_\_\_\_\_, 2002.

\_\_\_\_\_  
Gary L. McAlpine

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_ day of \_\_\_\_\_, 2002.

\_\_\_\_\_  
David B. Minturn

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_ day of \_\_\_\_\_, 2002.

\_\_\_\_\_  
Joseph Schaefer

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_ day of \_\_\_\_\_, 2002.

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Gary A. Solomon

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NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, 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, continuations-in-part, 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.

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IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_ day of \_\_\_\_\_, 2002.

\_\_\_\_\_  
Oleg Awsienko

IN TESTIMONY WHEREOF, I have hereunto set my hand this 6 day of Feb, 2002.

\_\_\_\_\_  
Edward Butler

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_ day of \_\_\_\_\_, 2002.

\_\_\_\_\_  
Gary L. McAlpine

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_ day of \_\_\_\_\_, 2002.

\_\_\_\_\_  
David B. Minturn

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_ day of \_\_\_\_\_, 2002.

\_\_\_\_\_  
Joseph Schaefer

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---

Gary A. Solomon

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NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, 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, continuations-in-part, 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.



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\_\_\_\_\_  
Oleg Awsienko

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_ day of \_\_\_\_\_, 2002.

\_\_\_\_\_  
Edward Butler

IN TESTIMONY WHEREOF, I have hereunto set my hand this 22 day of Jan., 2002.

Gary L. McAlpine  
Gary L. McAlpine

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_ day of \_\_\_\_\_, 2002.

\_\_\_\_\_  
David B. Minturn

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_ day of \_\_\_\_\_, 2002.

\_\_\_\_\_  
Joseph Schaefer

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Gary A. Solomon

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\_\_\_\_\_  
Oleg Awsienko

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\_\_\_\_\_  
Edward Butler

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_ day of \_\_\_\_\_, 2002.

\_\_\_\_\_  
Gary L. McAlpine

IN TESTIMONY WHEREOF, I have hereunto set my hand this 1 day of Feb, 2002.

  
\_\_\_\_\_  
David B. Minturn

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_ day of \_\_\_\_\_, 2002.

\_\_\_\_\_  
Joseph Schaefer

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_ day of \_\_\_\_\_, 2002.

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Gary A. Solomon

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\_\_\_\_\_  
Oleg Awsienko

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\_\_\_\_\_  
Edward Butler

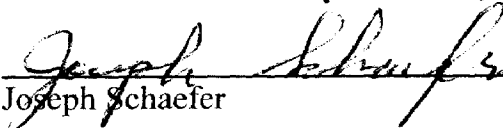
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\_\_\_\_\_  
Gary L. McAlpine

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\_\_\_\_\_  
David B. Minturn

IN TESTIMONY WHEREOF, I have hereunto set my hand this 4 day of Feb., 2002.

  
\_\_\_\_\_  
Joseph Schaefer

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_ day of \_\_\_\_\_, 2002.

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Gary A. Solomon



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Edward Butler

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Gary L. McAlpine

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David B. Minturn

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_ day of \_\_\_\_\_, 2002.

---

Joseph Schaefer

IN TESTIMONY WHEREOF, I have hereunto set my hand this 24 day of Oct., 2002.

  
\_\_\_\_\_  
Gary A. Solomon