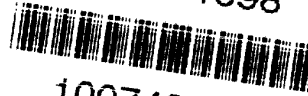


06-22-1998



100743565

Jc-518 U.S. PTO  
09/096276  
06/11/98

EXPRESS MAIL MAILING LABEL

NUMBER EM236301334US  
DATE OF DEPOSIT June 11, 1998

I hereby certify that this paper or fee is being deposited with the United States Postal Service "EXPRESS MAIL POST OFFICE TO ADDRESSEE" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to: Assistant Commissioner for Patents, Washington D.C. 20231.

*Jk Van Groningen*  
Signature

83-11-9

FORM PTO-1595 (Rev. 6-93)		RECORDATION FORM COVER SHEET		U.S. Department of Commerce	
OMB No. 0651-0011 (exp. 4/94)		<b>PATENTS ONLY</b>		<b>Patent and Trademark Office</b>	
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original document or copy thereof.					
1. Name of conveying party(ies): <b>Zane A. Ball, Aviram Gutman and Lawrence T. Clark</b> Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			2. Name and address of receiving party(ies): Name: <b>Intel Corporation</b> Internal Address: Street Address: <b>2200 Mission College Blvd.</b> City: <b>Santa Clara</b> State: <b>CA</b> Zip: <b>95052-8119</b> Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other			Execution Date:		
4. Application number(s) or registration number(s): If this document is being filed together with a new application, the execution date of the application is: <b>05/27/98 and 05/28/98</b> A. Patent Application No. (s): B. Patent No. (s): Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
5. Name and address of party to whom correspondence concerning document should be mailed: Name: <b>Mark L. Gleason Arnold, White &amp; Durkee P.O. Box 4433</b> City: <b>Houston</b> State: <b>Texas</b> Zip: <b>77210</b>			6. Total number of applications and patents involved: <u>1</u> 7. Total fee (37 C.F.R. 3.41)----- \$ <u>40.00</u> <input checked="" type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account if check insufficient or inadvertently omitted 8. Deposit account number <u>01-2508/INPA:095/GLE</u> (Attach duplicate copy of this page if paying by deposit account)		
DO NOT USE THIS SPACE					
9. Statement and signature. <i>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.</i> <div style="display: flex; justify-content: space-between;"> <div style="text-align: center;"> <b>Mark L. Gleason</b>            Name of Person Signing, Reg. No. 39,998         </div> <div style="text-align: center;">             Signature         </div> <div style="text-align: center;"> <u>6/11/98</u>            Date         </div> </div>					
Total number of pages including cover sheet, attachments and documents <b>4</b>					

Mail documents to be recorded with required cover sheet information to: Commissioner of Patents and Trademarks, Box Assignment, Washington, D.C. 20231

PATENT

A S S I G N M E N T

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

SELL, ASSIGN AND TRANSFER to Intel Corporation (the "Assignee"), a corporation of Delaware having a place of business at 2200 Mission College Blvd., Santa Clara, California, 95052-8119, the entire right, title and interest for the United States and all foreign countries in and to any and all improvements which are disclosed in the application for United States Letters Patent, which has been executed by the undersigned concurrently herewith and is entitled "INTERLEAVED SIGNAL TRACE ROUTING" 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 and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

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 property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for vesting title to such improvements in the Assignee, and for securing, maintaining and enforcing proper patent protection for such improvements;

TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

I hereby declare that all statements made of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Signature:   
Name: Zane A. Ball

Date: 5/27/98

Signature: \_\_\_\_\_  
Name: Aviram Gutman

Date: \_\_\_\_\_

Signature: \_\_\_\_\_  
Name: Lawrence T. Clark

Date: \_\_\_\_\_

A S S I G N M E N T

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

SELL, ASSIGN AND TRANSFER to Intel Corporation (the "Assignee"), a corporation of Delaware having a place of business at 2200 Mission College Blvd., Santa Clara, California, 95052-8119, the entire right, title and interest for the United States and all foreign countries in and to any and all improvements which are disclosed in the application for United States Letters Patent, which has been executed by the undersigned concurrently herewith and is entitled "INTERLEAVED SIGNAL TRACE ROUTING" 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 and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

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 property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

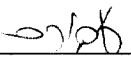
COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for vesting title to such improvements in the Assignee, and for securing, maintaining and enforcing proper patent protection for such improvements;

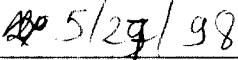
TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

I hereby declare that all statements made of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Signature: \_\_\_\_\_  
Name: Zane A. Ball

Date: \_\_\_\_\_

Signature:  \_\_\_\_\_  
Name: Aviram Gutman

Date:  \_\_\_\_\_

Signature: \_\_\_\_\_  
Name: Lawrence T. Clark

Date: \_\_\_\_\_

A S S I G N M E N T

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

SELL, ASSIGN AND TRANSFER to Intel Corporation (the "Assignee"), a corporation of Delaware having a place of business at 2200 Mission College Blvd., Santa Clara, California, 95052-8119, the entire right, title and interest for the United States and all foreign countries in and to any and all improvements which are disclosed in the application for United States Letters Patent, which has been executed by the undersigned concurrently herewith and is entitled "INTERLEAVED SIGNAL TRACE ROUTING" 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 and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

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 property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for vesting title to such improvements in the Assignee, and for securing, maintaining and enforcing proper patent protection for such improvements;

TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

I hereby declare that all statements made of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Signature: \_\_\_\_\_  
Name: Zane A. Ball

Date: \_\_\_\_\_

Signature: \_\_\_\_\_  
Name: Aviram Gutman

Date: \_\_\_\_\_

Signature:  \_\_\_\_\_  
Name: Lawrence T. Clark

Date: 5/28/98