FORM PTO-1584

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U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

To the Honorable Commissioner of Patents and Traden

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1. Name of conveying party(ies):	2. Name and address of receiving party(ies):	747/
Youfeng Wu and Jesse Fang	Name: Intel Corporation	jc 5 22
Additional name(s) of conveying party(ies) attached? []Yes [X]No	0	
3. Nature of conveyance:	Street Address: 2625 Walsh Avenue	
[X] Assignment [] Merger		
[] Security Agreement [] Change of Name	City: Santa Clara State: CA ZIP: 95051	
[] Other	Additional name(s) & address(es) attached? []Yes [X]No	
Execution Date:December 21, 1999		
4. Application number(s) or patent number(s):		. •••
If this document is being filed together with a new application, the exc	ecution date of the application is: <u>December 21, 1999</u>	
A. Patent Application No.(s)	B. Patent No.(s)	
Additional numbers attached? []Yes [X]No	09/470113	
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:	
Name: Russell D. Slifer	7. Total fee (37 CFR 3.41):\$_40.00	
Address: Schwegman, Lundberg, Woessner & Kluth, P.A. P.O. Box 2938 Minneapolis, MN 55402	[X] Enclosed [] Authorized to be charged to deposit account	
	Please charge any additional fees or credit any overpayment: Deposit account number:19-0743	s to our
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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.	
Russell D. Slifer/Reg. No. 39,838	12/22/19	
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REEL: 010502 FRAME: 0200

ASSIGNMENT

WHEREAS, WE, Youfeng Wu, residing at 3658 Bryant Street, Palo Alto, CA 94306, and Jesse Fang, residing at 1474 Sharon Manor Ct., San Jose, CA 95129, made certain new and useful inventions and improvements for which We executed an application for Letters Patent of the United States on Even Date Herewith, which is entitled SPECULATIVE REUSE OF CODE REGIONS

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 therefor;

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, ittle 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, 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.

PATENT REEL: 010502 FRAME: 0201 Docket No.: 884.223US1 Serial No.: Not Assigned

Filing Date: Even Date Herewith

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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 21 day of Dec., 1999.

Youfeng Wu

IN TESTIMONY WHEREOF, I have hereunto set my hand this 21 day of 200, 1999

Jesse Fang

PATENT REEL: 010502 FRAME: 0202