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PATENT TRADEMARK OFFICE

	FORM PTO-1595 1-31-92 RECORDATION FORM PATENTS O			
	To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.			
	Name of conveying party(ies): William A. Hughes	6.18.03	Name and address of receiving party(ies): Name:Advanced Micro Devices, Inc.	12 U.S. P
	Additional name(s) of conveying party(ies) attached? Yes No		Street Address: One AMD Place	
	3. Nature of Conveyance:		City Sunnyvale State CA ZIP 94088	
	Assignment Merger Security Agreement Change of Name Other Execution Date: April 1		Additional name(s) & address(es) attached? Yes]No
	4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of this application is:			
	A. Patent Application No.(s) B. Patent No.(s) What a new application, the execution date of this application is: A. Patent No.(s) Additional numbers attached? Yes No			
	Name and address of party to whom cor concerning document should be mailed:	respondence	6. Total number of applications & patents involved: 1	
	Name: Rory D. Rankin Internal Address: Meyertons, Hood, Kivlin, Kowert & Goetzel, P.C.			
·	Street Address: P.O. Box 398 City Austin State TX ZIP 78767-0398		7. Total fee (37 CFR 3.41):\$ 40.00 Fee Authorization Form Enclosed Authorized to be charged to deposit account	
06/25/2003 EC	00PER 00000091 501505 10464395		8. Deposit account number: 501505/5500-79900/RI (Attach a duplicate copy of this page if paying by deposit	
01 FC:8021	40.00 DA	DO	NOT USE THIS SPACE	
	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. Rory D. Rankin Name of Person Signing Signature Date			
	Reg. No. 47,884	6	Total number of pa	ages: <u>3</u>
	OMB No. 0651-011 (exp.4/94)			

PATENT REEL: 014198 FRAME: 0381

ASSIGNMENT

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

SELL, ASSIGN AND TRANSFER to <u>ADVANCED MICRO DEVICES</u>, <u>INC.</u> (the "Assignee"), a corporation organized and existing under and by virtue of the laws of the State of Delaware, and having its principal place of business at <u>One AMD Place</u>, <u>P.O. Box 3453</u>, <u>Sunnyvale</u>, <u>CA 94088</u>, 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 <u>A DYNAMIC RESOURCE ALLOCATION SCHEME FOR EFFICIENT USE OF A QUEUE</u>, 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 that, 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 securing, maintaining and enforcing proper patent protection for such improvements and for vesting title to such improvements in the Assignee;

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COVENANT AND AGREE that the above is and will be binding on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assigns. Date: __4 (Signature) Name: STATE OF Californi COUNTY OF C BEFORE ME, the undersigned authority, on this personally appeared William A. Hughes, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that (he) she executed the same of his/her own free will for the purposes and consideration therein expressed. WINONA C. ORANGE Commission # 1296145 Notary or Consular Officer Notary Public - California [SEAL] Santa Clara County

> Rory D. Rankin Meyertons, Hood, Kivlin, Kowert & Goetzel, P.C. P.O. Box 398 Austin, TX 78767-0398

My Comm. Expires Apr 1, 200

RECORDED: 06/18/2003