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S. DEPARTMENT OF COMMERCE Patent and Trademark Office

100924523 To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): Name: Advanced Micro Devices, Inc. Geoffrey S. Strongin Internal Address: _ Qadeer A. Qureshi (c) Additional name(s) of conveying party(ies) attached? Yes **⊠** No Street Address: One AMD Place 3. Nature of Conveyance: City Sunnyvale State CA ZIP 94088-3453 Merger Additional name(s) & address(es) attached? Yes No Security Agreement Change of Name Other Execution Date: December 8, 1998 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: December 8, 1998 B. Patent No.(s) A. Patent Application No.(s) - Filed Herewith METHOD AND SYSTEM FOR IMPROVED DATA **ACCESS** Additional numbers attached? ⊠ No Yes 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: 1 concerning document should be mailed: Name: Dale R. Cook Internal Address: SKJERVEN, MORRILL, MacPHERSON, FRANKLIN & FRIEL LLP 7. Total fee (37 CFR 3.41):\$40.00 Street Address: 25 METRO DRIVE, SUITE 700 Authorized to be charged to Deposit Account 19-2386 City SAN JOSE State CA ZIP 95110 Charge Deposit Account 19-2386 for any additional fees required for this conveyance and credit deposit account 19-2386 any amounts overpaid DO NOT USE THIS SPACE 12/17/1998 JSHABAZZ 00000011 192386 09207970 OK 40.00 CH C:581 8. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and copfect and any attached copy is a true copy of the original document. Dale R. Cook Name of Person Signing Total number of pages comprising cover sheet: 1 465823 v1/Client Ref.: TT2578

ASSIGNMENT

For good and valuable consideration, receipt of which is hereby acknowledged, we Strongin, Geoffrey S. of Austin, TX

Qureshi, Qadeer A. of Round Rock, TX hereby sell, assign and transfer to Advanced Micro Devices, Inc., a Delaware corporation, having a place of business at One AMD Place, Sunnyvale, CA 94088-3453, its successors and assigns, the entire right, title and interest throughout the world in our invention in METHOD AND SYSTEM FOR IMPROVED DATA ACCESS for which we have executed a United States patent application on or about the date of this assignment, and all patent applications and patents of every country for said invention, including divisions, reissues, continuations and extensions thereof, and all rights of priority resulting from the filing of said applications; we authorize the above-named assignee to apply for patents of foreign countries for said invention, and to claim all rights of priority without further authorization from us; we agree to execute all papers useful in connection with said United States and foreign applications, and generally to do everything possible to aid said assignee, their successors, assigns and nominees, at their request and expense, in obtaining and enforcing patents for said invention in all countries; and we request the Commissioner of Patents and Trademarks to issue all patents granted for said invention to the above-named assignee, its successors and assigns. Executed this 8 day of December Geoffrey S. Strongin Laura K. Fenton before me, personally appeared Geoffrey S. Strongin, personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) who will have subscribed to the within instrument and acknowledged to me that the she/they executed the saint high her/their authorized capacity(ies), and that by his her/their signature(s) on the instrument in person(s) acted, executed the instrument. Executed this Qadeer A. Qureshi 8 Dec 98 before me, Laura K-Fenton personally appeared Qadeer A. Qureshi, personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s)(s(are) subscribed to the within instrument and acknowledged to me that (he) she/they executed the same in his/her/their authorized capacity(jes), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. - 1 -465820 v1

RECORDED: 12/09/1998

PATENT REEL: 9637 FRAME: 0516