04-11-2006 U.S. DEPARTMENT OF COMMERCE FORM PTO-1595 Patent and Trademark Office 1-31-92 ATION FORM COVER SHEET H2167 PATENTS ONLY 103215582 , the attached original documents or copy thereof. To the Honorable Co 2. Name and address of receiving party(ies): 1. Name of conveying party(ies): Name: Advanced Micro Devices, Inc. Robert C. Thaden 4-4-06 Steven C. Hesley Internal Address: ____ Christopher B. Ang Jeffery E. Short Eric W. Mahurin Street Address: One AMD Place Additional name(s) of conveying party(ies) attached? yes No City Sunnyvale State CA ZIP 94088 Additional name(s) & address(es) attached? Yes No 3. Nature of Conveyance: Assignment Merger Security Agreement Change of Name Execution Date: 3/23/06, 3/30/06, 3/23/06, 3/23/06, 3/30/06 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: 3/23/06, 3/30/06, 3/23/06, 3/23/06, 3/30/06 B. Patent No.(s) A. Patent Application No.(s) Additional numbers attached? 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: 1 concerning document should be mailed: Robert C. Kowert 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 Enclosed Authorized to be charged to deposit account 8. Deposit account number: 501505/5800-03900/RCK (Attach a duplicate copy of this page if paying by deposit account) 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 docume Robert C. Kowert Name of Person Signing Reg. No. 39,255 Total number of pages: OMB No. 0651-011 (exp.4/94)

> PATENT REEL: 017756 FRAME: 0555

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 _ADVANCED MICRO DEVICES, INC. (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 _One AMD Place, P.O. Box 3453, Sunnyvale, CA 94088, 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 INTEGRATED CIRCUIT DESIGN WITH CELL-BASED MACROS, 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 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;

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.

Page 1 of 4

(Signature) Name: Robert C. Thaden

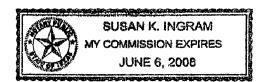
Date: _3-23-06

STATE OF (__

COUNTY OF

BEFORE ME, the undersigned authority, on this 232 day of March, 2006, personally appeared Robert C. Thaden known to me to be the person whose hame is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his own free will for the purposes and consideration therein expressed.

[SEAL]



(Signature)

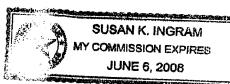
Date: 3/3/06

STATE OF

COUNTY OF

BEFORE ME, the undersigned authority, on this <u>2006</u> day of <u>March</u>, 2006, personally appeared <u>Steven C. Hesley</u> 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 own free will for the purposes and consideration therein expressed.

[SEAL]



Notary or Consular Officer

(Signature) / Christopher B. Ang Name:

Date: 3/23/06

STATE OF \subseteq COUNTY OF

BEFORE ME, the undersigned authority, on this 23 day of March 2006, personally appeared Christopher B. Ang 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 own free will for the purposes and consideration therein expressed.



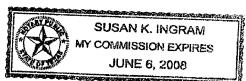
Notary or Consular Office

en & Short Date: 3/23/06

STATE OF

COUNTY OF

BEFORE ME, the undersigned authority, on this ideas of March, 2006, personally appeared Jeffery E. Short 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 own free will for the purposes and consideration therein expressed.



Notary or Consular Office

(Signature) _		Date:	
Name:	Eric W. Mahurin		
STATE OF	§		
COUNTY O	PF §		
appeared <u>Er</u> foregoing in	ic W. Mahurin known to	me to be the person whosed to me that he/she executed	, 2006, personally se name is subscribed to the the same of his own free will
(SEAL)		Notary or Cons	ular Officer

Robert C. Kowert
Meyertons, Hood, Kivlin, Kowert & Goetzel, P.C.
P.O. Box 398
Austin, TX 78767-0398

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, 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, P.O. Box 3453, Sunnyvale, 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>INTEGRATED CIRCUIT DESIGN WITH CELL-BASED MACROS</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 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;

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.

(Signature)	Date:	* ***
(Signature) Name: Robert C. Thaden		•
STATE OF		
COUNTY OF §		
BEFORE ME, the undersigned appeared Robert C. Thaden known to foregoing instrument and acknowledge for the purposes and consideration ther	ed to me that he/she executed the sa	ne is subscribed to the
[SEAL]	Notary or Consular O	officer
(Signature) Name: Steven C. Hesley	Date:	
STATE OF		
	ed to me that he/she executed the sa	ne is subscribed to the
[SEAL]	Notary or Consular C	Officer

Page 2 of 4

PATENT REEL: 017756 FRAME: 0561

(Signature)_		Date:	
Name:	Christopher B. Ang		
STATE OF	 \{\} F \{\}		
COUNTY O	F §		
appeared <u>Ch</u> foregoing ins	ristopher B. Ang known to m	nority, on this day of, 2006, personal ne to be the person whose name is subscribed to the me that he/she executed the same of his own free waxpressed.	he
[SEAL]		Notary or Consular Officer	
(Signature) _ Name:	Jeffery E. Short	Date:	
STATE OF COUNTY O			
appeared <u>Jef</u> foregoing ins	fery E. Short known to me	nority, on this day of, 2006, personal to be the person whose name is subscribed to the me that he/she executed the same of his own free waterpressed.	he
SEAL		Notary or Consular Officer	-

Page 3 of 4

Eric W. Mahurin

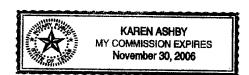
Date: 3/30/2006

Notary or Consular Officer

STATE OF <u>Jexas</u> COUNTY OF TVavis §

BEFORE ME, the undersigned authority, on this 30 day of March, 2006, personally appeared Eric W. Mahurin 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 own free will

for the purposes and consideration therein expressed.



[SEAL]

Robert C. Kowert Meyertons, Hood, Kivlin, Kowert & Goetzel, P.C. P.O. Box 398 Austin, TX 78767-0398

Page 4 of 4

PATENT REEL: 017756 FRAME: 0563

RECORDED: 04/04/2006