To the Honorable Commissioner of Pate	101605609ed original documents or copy thereof.
1. Name of conveying party(ies):	2. Name and address of receiving party(ies):
Chi-Sheng Chang Chin-Wei Liang	Name: Advanced Micro Devices, Inc.
	Internal Address:
	Internal Address:
Additional name(s) of conveying party(ies) attached? [ ]Yes [ X]No	
3. Nature of conveyance:	Street Address: One AMD Place
[ X ] Assignment [ ] Merger	P.O. Box 3453
[ ] Security Agreement [ ] Change of Name	e City: Sunnyvale
[ ] Other	State/Country: <u>California</u> ZIP: <u>94088-3453</u>
Execution Date: Chang 1/23/01; Liang 10/19/00	Additional name(s) & address(es) attached? [ ] Yes [X] No
4. Application number(s) or patent number(s	application, the execution date of the application is:10/13/00
If this document is being filed together with a new	application the execution data of the application is: $10/13/00$
A. Patent Application No.(s)	B. Patent No.(s)
A. Patent Application No.(s)	B. Patent No.(s)
A. Patent Application No.(s) Additional Number	B. Patent No.(s) ers attached? [ ] Yes [ X ] No
<ul> <li>A. Patent Application No.(s)</li> <li>Additional Number</li> <li>5. Name and address of party to whom</li> </ul>	B. Patent No.(s)
A. Patent Application No.(s) Additional Number	B. Patent No.(s) ers attached? [ ] Yes [ X ] No 6. Total number of applications and patents involved: [ 1 ]
<ul> <li>A. Patent Application No.(s)</li> <li>Additional Number</li> <li>5. Name and address of party to whom correspondence concerning document</li> </ul>	B. Patent No.(s) ers attached? [ ] Yes [ X ] No
A. Patent Application No.(s)  Additional Number  S. Name and address of party to whom correspondence concerning document should be mailed:  Name: <u>M. David Galin Internal Address:</u>	B. Patent No.(s) ers attached? [ ] Yes [ x ] No 6. Total number of applications and patents involved: [ 1 ] 7. Total fee (37 CFR 3.41)\$40.00
A. Patent Application No.(s)           Additional Number           5. Name and address of party to whom           correspondence concerning document           should be mailed:           Name:         M. David Galin           Internal Address:	B. Patent No.(s) ers attached? []Yes [X]No 6. Total number of applications and patents involved: [1] 7. Total fee (37 CFR 3.41)\$40.00 [X] Enclosed
A. Patent Application No.(s)          Additional Number         5. Name and address of party to whom         correspondence concerning document         should be mailed:         Name:       M. David Galin         Internal Address:         /2001 VYANG1       00000022 09769982         s581       40.00 DP	B. Patent No.(s) ers attached? [ ] Yes [ x ] No 6. Total number of applications and patents involved: [ 1 ] 7. Total fee (37 CFR 3.41)\$40.00
A. Patent Application No.(s)          Additional Number         Additional Number         S. Name and address of party to whom         correspondence concerning document         should be mailed:         Name:       M. David Galin         Internal Address:	B. Patent No.(s) ers attached? [ ]Yes [ X ] No 6. Total number of applications and patents involved: [ 1 ] 7. Total fee (37 CFR 3.41)\$40.00 [ X ] Enclosed [ X ] Enclosed [ X ] Authorized to be charged to deposit account
A. Patent Application No.(s)          Additional Number         5. Name and address of party to whom         correspondence concerning document         should be mailed:         Name:       M. David Galin         Internal Address:         /2001 VYANG1       00000022 09769982         Street Address:       40.00 0P         Street Address:       Renner Otto Boisselle & Sklar, LLP         1621 Euclid Avenue, Nineteenth Floor       Clausland	B. Patent No.(s) ers attached? []Yes [X]No 6. Total number of applications and patents involved: [1] 7. Total fee (37 CFR 3.41)\$40.00 [X] Enclosed [X] Enclosed [X] Authorized to be charged to deposit account 8. Deposit account number:
A. Patent Application No.(s)          Additional Number         5. Name and address of party to whom         correspondence concerning document         should be mailed:         Name:       M. David Galin         Internal Address:	B. Patent No.(s) ers attached? []Yes [X]No 6. Total number of applications and patents involved: [1] 7. Total fee (37 CFR 3.41)\$40.00 [X] Enclosed [X] Enclosed [X] Authorized to be charged to deposit account 8. Deposit account number: 18-0988
A. Patent Application No.(s)          Additional Number         Additional Number         S. Name and address of party to whom         correspondence concerning document         should be mailed:         Name:       M. David Galin         Internal Address:	B. Patent No.(s) ers attached? [ ]Yes [x]No 6. Total number of applications and patents involved: [ 1 ] 7. Total fee (37 CFR 3.41)\$40.00 [x] Enclosed [x] Authorized to be charged to deposit account 8. Deposit account number: 18-0988 (Attach duplicate copy of this page if paying by deposit account)
A. Patent Application No.(s)          Additional Number         Additional Number         S. Name and address of party to whom         correspondence concerning document         should be mailed:         Name:       M. David Galin         Internal Address:	B. Patent No.(s) ers attached? []Yes [X]No 6. Total number of applications and patents involved: [1] 7. Total fee (37 CFR 3.41)\$40.00 [X] Enclosed [X] Enclosed [X] Authorized to be charged to deposit account 8. Deposit account number: 18-0988
A. Patent Application No.(s)          Additional Number         Additional Number         S. Name and address of party to whom         correspondence concerning document         should be mailed:         Name:       M. David Galin         Internal Address:	B. Patent No.(s) ers attached? [ ]Yes [x]No 6. Total number of applications and patents involved: [ 1 ] 7. Total fee (37 CFR 3.41)\$40.00 [x] Enclosed [x] Authorized to be charged to deposit account 8. Deposit account number: 18-0988 (Attach duplicate copy of this page if paying by deposit account)
A. Patent Application No.(s)          Additional Number         Additional Number         S. Name and address of party to whom         correspondence concerning document         should be mailed:         Name:       M. David Galin         Internal Address:	B. Patent No.(s) ers attached? [ ]Yes [x]No 6. Total number of applications and patents involved: [ 1 ] 7. Total fee (37 CFR 3.41)\$40.00 [ x ] Enclosed [ x ] Enclosed [ x ] Authorized to be charged to deposit account 8. Deposit account number: 18-0988 (Attach duplicate copy of this page if paying by deposit account) DO NOT USE THIS SPACE
A. Patent Application No.(s)          A. Patent Application No.(s)         Additional Number         5. Name and address of party to whom         correspondence concerning document         should be mailed:         Name:       M. David Galin         Internal Address:         /2001 VYANG1       00000022 09769982         2581       40.00 0P         Street Address:       Renner Otto Boisselle & Sklar, LLP         1621 Euclid Avenue, Nineteenth Floor       City:         City:       Cleveland         State:       Ohio         ZIP:       44115         9.       Statement and signature.         To the best of my knowledge and belief, the foregoe of the original document.	B. Patent No.(s)         ers attached?       [ ] Yes [ x ] No         6. Total number of applications and patents involved:       [ 1 ]         7. Total fee (37 CFR 3.41)\$ 40.00         [ X ] Enclosed         [ X ] Enclosed         [ X ] Authorized to be charged to deposit account         8. Deposit account number:         18-0988         (Attach duplicate copy of this page if paying by deposit account)         DO NOT USE THIS SPACE

T

PATENT REEL: 011482 FRAME: 0640

## ASSIGNMENT

For good and valuable consideration, receipt of which is hereby acknowledged, the undersigned

Chi-Sheng Chang, 1002 Hyde Avenue, San Jose, California 95129 Chin-Wei Liang, 400 East Remington Drive, Apt. #E146, Sunnyvale, California 94087

hereby sell and assign to ADVANCED MICRO DEVICES, INC., a corporation of Delaware having a place of business at One AMD Place, P.O. Box 3453, Sunnyvale, California 94088-3453, U.S.A., its successors and assigns, the entire right, title and interest, so far as concerns the United States and the Territories and Possessions thereof and all foreign countries, in and to the inventions entitled

## PCI AND MII COMPATIBLE HOME PHONELINE NETWORKING ALLIANCE (HPNA) INTERFACE DEVICE

for which application for United States Letters Patent has been filed under Serial No., or was executed by the on undersigned on the date below and is being filed concurrently herewith, said application for United States Letters Patent, any and all other applications for Letters Patent on said inventions in countries foreign to the United States, including all divisional, renewal, substitute, continuation and Convention applications based in whole or in part upon said inventions or upon said applications, and any and all Letters Patent and reissues and extensions of Letters Patent granted for said inventions or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said applications and said Letters Patent; said assignee being hereby authorized to file patent applications in any or all countries on any or all said inventions in the name of the undersigned or in the name of said assignee or otherwise as said assignee may deem advisable, under the International Convention or otherwise; the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments being hereby authorized to issue or transfer all said Letters Patent to said assignee in accordance herewith; this assignment being under covenant, not only that full power to make the same is had by the undersigned, but also that such assigned right is not encumbered by any grant, license, or other right heretofore given, and that the undersigned will do all acts reasonably serving to assure that said inventions, patent applications and Letters Patent shall be held and enjoyed by said assignee as fully and entirely as the same could have been held and enjoyed by the undersigned if this assignment had not been made, and particularly to execute and deliver to said assignee all lawful documents including petitions, specifications, oaths, assignments, invention disclaimers, and lawful affidavits in form and substance which may be requested by said assignee, to furnish said

assignee with all facts relating to said inventions or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may be useful for establishing the facts of conception, disclosure and reduction to practice of said inventions, and to testify in any proceedings relating to said inventions, patent applications and Letters Patent.

Signed:

<u>Chi-Sheng Chang</u> <u>Chi-Sheng Chang</u> <u>Chin-Wei Liang</u>

Date:

01/23/21 Det 19,2000

**CERTIFICATE OF ACKNOWLEDGMENT** State of <u>California</u> County of Santa Clarg On January 13,2001 before me, <u>Shelly M. Garret</u>, personally appeared <u>Chi-Sheng</u> Chang



□ personally known to me - OR - k proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), 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.

WITNESS, my hand and official sea Signature of Notary Public

Page 2 of 3

CERTIFICATE OF ACKNOWLEDGMENT	
State of <u>California</u>	
County of Santa Clara	
On Oct. 19, 2000 before me, <u>Shelly M. Garrett</u> , personally appeared <u>Sully M. Garrett</u> , Name(s) of Signer(s)	
SHELLY M. GARRETT Commission # 1229196 Notory Public - California Santa Clara County My Comm. Expires Jul 17, 2003	<ul> <li>personally known to me - OR - the proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), 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.</li> <li>WITNESS my hand and official seal.</li> <li>MUTNESS my hand and official seal.</li> <li>Muthat Signature of Notary Public</li> </ul>

 $C:\label{eq:cases} C:\label{eq:cases} C:\label{cases} C:\label{eq:cases} C:\label{eq:ca$ 

Page 3 of 3