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FORM COVER SHEET

PATENTS ONLY

Attorney Docket Number  
9797-127-999

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19704 U.S. PTO  
10/662204  
09/12/03

1. Name of conveying party(ies): Huy M. Nguyen and Chanh V. Tran  Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies):  Name: <u>Rambus, Inc.</u>  Address: <u>4440 El Camino Real</u> <u>Los Altos, CA 94022</u>  Country (if other than USA):
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment                      Merger  Security Agreement                      Change of Name  Other  Execution Date: <u>September 9, 2003</u>	

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:

A. Patent Application No.(s) — 10/662204                      B. Patent No.(s)

Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:  PENNIE & EDMONDS LLP 3300 Hillview Avenue Palo Alto, California 94304	6. Number of applications and patents involved: <u>1</u>	
	7. Total fee (37 CFR 3.41):.....\$ 40.00 Please charge to the deposit account listed in Section 8.	
	8. Deposit account number: <u>16-1150</u>	

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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.*

Gary S. Williams Name of Person Signing	31,066 Reg. No.	 Signature	September 12, 2003 Date
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Total number of pages including cover sheet: 3

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10662204

CAI: 355028.1

PATENT  
REEL: 014501 FRAME: 0509

ASSIGNMENT

WHEREAS, WE, HUY M. NGUYEN of San Jose, California; and CHANH V. TRAN of San Jose, California, ASSIGNORS, citizens of the United States, are the inventors of the invention in **ADAPTIVE IMPEDANCE OUTPUT DRIVER CIRCUIT**, for which we have executed an application for a Patent of the United States

- which is executed on  even date herewith or
- which is identified by Pennie & Edmonds LLP docket no. 9797-0127-999
- which was filed on , Application No.
- We hereby authorize and request our attorney, Gary S. Williams, of Pennie & Edmonds, LLP, , to insert here in parentheses (Application number, \_\_\_\_\_ filed \_\_\_\_\_ ) the filing date and application number of said application when known.

and WHEREAS, RAMBUS INC., a Delaware Corporation, having a principal place of business at 4440 El Camino Real, Los Altos, CA 94022, ASSIGNEE, is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND WE HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.

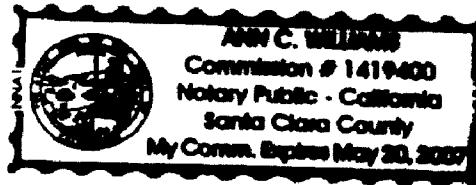
Date 9/9, 2003 *Huy M. Nguyen* L.S.  
HUY M. NGUYEN

State of California } SS.:  
County of Santa Clara

On Sept. 9, 2003, before me, Ann C. Williams, Notary Public, personally appeared Huy M. Nguyen, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is 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 seal

*Ann C. Williams*



Date 9/9, 2003 *Chanh V. Tran* L.S.  
CHANH V. TRAN

State of California } SS.:  
County of Santa Clara

On Sept. 9, 2003, before me, Ann C. Williams, Notary Public, personally appeared Chanh V. Tran, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is 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 seal

*Ann C. Williams*

