

4/19/05

Form PTO-1595 (Rev. 1/9/02) OMB No. 0651-0027 (exp. 6/30/2005)

RF SHEET

04-29-2005

U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office Express Mail Label No. EV570161003US Marvell Docket No. MP0605



Tab settings

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To the Honorable Commissioner of Patents and Trademarks: Please Record the attached original documents or copy thereof.

1. Name of conveying party(ies): Zhipei Chi Peiqi Xuan Runsheng He Additional name of conveying party(ies) attached?  Yes  No

2. Name and address of receiving party(ies) Name: Marvell Semiconductor, Inc. Internal Address: Street Address: 700 First Avenue Mail Stop 509 City: Sunnyvale State: CA Zip: 94089 Additional Name(s) & address(es) attached?  Yes  No



3. Nature of conveyance:  Assignment  Merger  Security Agreement  Change of Name  Other Execution Date: April 13, 2005 and April 19, 2005

Street Address: 700 First Avenue Mail Stop 509 City: Sunnyvale State: CA Zip: 94089 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 the application is: April 13, 2005 A. Patent Application No.(s) Unassigned, filed herewith. B. Patent No.(s) 04/21/2005 LWONDIM1 00000028 11109372 01 FC:8021 40.00 DP Additional numbers attached?  Yes  No

Handwritten circled text: 04/21/2005 LWONDIM1 00000028 11109372 01 FC:8021 40.00 DP

5. Name and address of party to whom correspondence concerning this document should be mailed: Name: Michael D. Wiggins Internal Address: Harness, Dickey & Pierce, P.L.C. Street Address: P.O. Box 828 City: Bloomfield Hills State: MI Zip: 48303

6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41) . . . . . \$ 40 (via attached credit card authorization)  Enclosed  Authorized to be charged to deposit account 8. The Commissioner is hereby authorized to charge any additional fees that may be required or credit any overpayments to Deposit Account No. 08-0750. A duplicate copy of this sheet is enclosed. (Attach 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 document. Michael D. Wiggins Name of Person Signing Signature Date April 19, 2005 Total number of pages including cover sheet, attachments, and documents: [ ]

Mail documents to be recorded with required cover sheet information to: Commissioner of Patents & Trademarks, Box Assignments

PATENT REEL: 016496 FRAME: 0271

ASSIGNMENT

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

Zhipei Chi

Peiqi Xuan

Runsheng He

who have created a certain invention for which an application for United States Letters Patent was executed by me concurrently herewith and entitled:

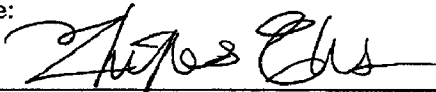
Natural Sampling For A Digital Class-D Power Amplifier

Do hereby sell, assign and transfer to Marvell Semiconductor, Inc., a corporation of California, having a place of business at 700 First Avenue, Sunnyvale, California 94089, its successors, assigns, and legal representatives, the full and exclusive right to said invention and said application and to any and all inventions described in said application for the United States, its territorial possessions and all foreign countries, and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States, its territorial possessions and all foreign countries; and in and to any and all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, and all other applications for Letters Patent relating thereto which have been or shall be filed in the United States, its territorial possessions and/or any foreign countries, and all rights, together with all priority rights, under any of the international conventions, unions, agreements, acts, and treaties, including all future conventions, unions, agreements, acts, and treaties;

Agree that Marvell Semiconductor, Inc., hereinafter referred to as Assignee, may apply for and receive Letters Patent for said invention and said inventions, hereinafter referred to as said invention, in its own name, in the United States, its territorial possessions, and all foreign countries; and that, when requested to carry out in good faith the intent and purpose of this assignment, at the expense of said Assignee, its successors, assigns and legal representatives, the undersigned will execute all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, execute all rightful oaths, assignments, powers of attorney and other papers, testify in any legal or quasi legal proceedings; communicate to said Assignee, its successors, assigns or legal representatives all facts known to the undersigned relating to said invention and the history thereof; and generally do everything possible which said Assignee, its successors, assigns, or legal representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said invention and for vesting title to said invention and all applications for patents on said invention in said Assignee, its successors, assigns, or legal representatives; and

Covenant with said Assignee, its successors, assigns, or legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

IN TESTIMONY WHEREOF I have hereunto set MY signature on the date indicated below.

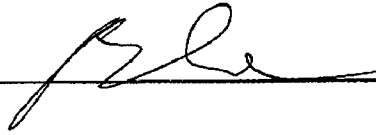
Full Name of Sole/First Inventor:	
Zhipei Chi	
Inventor's Signature:	Date: Month/Day/Year
	4/13/2005

Full Name of Second Inventor, if any:	
Peiqi Xuan	
Inventor's Signature:	Date: Month/Day/Year

Full Name of Second Inventor, if any:

Runsheng He

Inventor's Signature:



Date: Month/Day/Year

4/13/04



Docket#: MP0605

PATENT

ASSIGNMENT

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

Zhipei Chi

Peiqi Xuan

Runsheng He

who have created a certain invention for which an application for United States Letters Patent was executed by me concurrently herewith and entitled:

Natural Sampling For A Digital Class-D Power Amplifier

Do hereby sell, assign and transfer to Marvell Semiconductor, Inc., a corporation of California, having a place of business at 700 First Avenue, Sunnyvale, California 94089, its successors, assigns, and legal representatives, the full and exclusive right to said invention and said application and to any and all inventions described in said application for the United States, its territorial possessions and all foreign countries, and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States, its territorial possessions and all foreign countries; and in and to any and all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, and all other applications for Letters Patent relating thereto which have been or shall be filed in the United States, its territorial possessions and/or any foreign countries, and all rights, together with all priority rights, under any of the international conventions, unions, agreements, acts, and treaties, including all future conventions, unions, agreements, acts, and treaties;

Agree that Marvell Semiconductor, Inc., hereinafter referred to as Assignee, may apply for and receive Letters Patent for said invention and said inventions, hereinafter referred to as said invention, in its own name, in the United States, its territorial possessions, and all foreign countries; and that, when requested to carry out in good faith the intent and purpose of this assignment, at the expense of said Assignee, its successors, assigns and legal representatives, the undersigned will execute all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, execute all rightful oaths, assignments, powers of attorney and other papers, testify in any legal or quasi legal proceedings; communicate to said Assignee, its successors, assigns or legal representatives all facts known to the undersigned relating to said invention and the history thereof; and generally do everything possible which said Assignee, its successors, assigns, or legal representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said invention and for vesting title to said invention and all applications for patents on said invention in said Assignee, its successors, assigns, or legal representatives; and

Covenant with said Assignee, its successors, assigns, or legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

IN TESTIMONY WHEREOF I have hereunto set MY signature on the date indicated below.

Full Name of Sole/First Inventor: Zhipei Chi	
Inventor's Signature:	Date: Month/Day/Year

Full Name of Second Inventor, if any: Peiqi Xuan	
Inventor's Signature: 	Date: Month/Day/Year 04/19/05

Full Name of Second Inventor, if any:

Runsheng He

Inventor's Signature:

Date: Month/Day/Year