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## 1. Name of conveying party(ies):

1.) Mingwei Huang; and 2.) Cangsang Zhao

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

12/31/02

## 2. Name and address of receiving party(ies)

Name: Intel Corporation

Address: 2200 Mission College Boulevard  
SC4-202

City: Santa Clara State: CA Zip: 95052

☐ Other

## 3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ OtherAdditional name(s) & address(es) attached? ☐ Yes ☒ No

Execution Date: December 19, 2002

## 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 19, 2002**

A. Patent Application No.(s)

B. Patent Registration No.(s)

Additional number(s) attached ☐ Yes ☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name:

**Antonelli, Terry, Stout & Kraus, L.L.P.**

Internal Address:

**1300 North Seventeenth Street, Suite 1800  
Arlington, Virginia 22209**6. Total number of applications and patents involved **>1>**7. Total fee (37 CFR 3.41)..... **\$40.00**☐ Enclosed☐ Authorized to be charged to deposit account

## 8. Deposit account number:

**01-2135**

(Attach duplicate copy of this page if paying by deposit account)

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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.***David C. Oren, Reg. No. 38,694****Date: December 31, 2002**

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and document: **<<3>>**

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JC971 U.S. PTO

**PATENT**  
**REEL: 013627 FRAME: 0065**

**ASSIGNMENT**

(For Execution With Patent Application)

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, 1.) Mingwei Huang; and 2.) Cangsang Zhao, the undersigned, residing at 1.) Hillsboro, OR 97124 USA; and 2.) Portland, Oregon 97229, USA, hereby sell, assign, and transfer to INTEL CORPORATION, a corporation of Delaware having a principal place of business at 2200 Mission College Boulevard, SC4-202 Santa Clara, CA 95052, ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements that are disclosed in the application for the United States patent executed concurrently herewith and entitled Apparatus and Method for Resonance Reduction, and in and to said application and all divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original patents, reissued patents, reexamination certificates, and extensions that have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all rights of priority resulting from the filing of said United States application;

agree that said Assignee may apply for and receive a patent or patents for said improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and 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.

Date: Dec 19, 2002

Mingwei Huang  
Name: Mingwei Huang

Date: Dec. 19, 2002

Cangsang Zhao  
Name: Cangsang Zhao

Date: \_\_\_\_\_, 200\_\_

\_\_\_\_\_  
Name:

Date: \_\_\_\_\_, 200\_\_

\_\_\_\_\_  
Name:

Date: \_\_\_\_\_, 200\_\_

\_\_\_\_\_  
Name:

Date: \_\_\_\_\_, 200\_\_

\_\_\_\_\_  
Name:

State of: \_\_\_\_\_ }  
County of: \_\_\_\_\_ } SS.

On this \_\_\_\_\_ day of \_\_\_\_\_, 200\_\_, before me, \_\_\_\_\_, the undersigned Notary Public, personally appeared \_\_\_\_\_

☐ personally known to me ☐ proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) \_\_\_\_\_ subscribed to the within instrument, and acknowledged that \_\_\_\_\_ executed it.

WITNESS my hand and official seal.

[SEAL]

\_\_\_\_\_  
Notary's Signature

Assignment Return Address:  
ANTONELLI, TERRY, STOUT & KRAUS, LLP  
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Telephone 703-312-6600