To the Honorable Commissioner of Patents and Trademarks. Pleas	!	
Name of conveying party(ies):	2. Name and address of receiving party(ies):	
Kai Miao /0 13102	Name: Intel Corporation	
Additional name(s) of conveying party(ies) attached? ⊠ No ☐ Yes	Internal Address: Street Address: 2200 Mission College Boulevard	
3. Nature of Conveyance:   ☐ Merger ☐ Security Agreement ☐ Change of Name ☐ Other ☐ Other	City: Santa Clara State: CA Zip: 95052-8119	
Execution Date: August 13, 2002	Additional name(s)& address(es) attached? 🔀 No 🗌 Yes	
<ol> <li>Application number(s) or patent number(s):         If this document is being filed together with a new application         A. Patent Application No.(s)     </li> </ol>	B. Patent No.(s)	
Additional number	ers attached?	
Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:	
Name: Blakely, Sokoloff, Taylor & Zafman LLP Internal Address:	7. Total Fee (37 CFR 3.41)\$ 40.00	
Street Address: 12400 Wilshire Boulevard 7th Floor	Authorized to be charged to deposit account  8. Deposit Account Number:	
City: Los Angeles State: CA ZIP: 90025	(Attach duplicate copy of this page if paying by deposit account)	
DO NOT US	SE THIS SPACE	
Statement and signature.	d correct and any attached copy is a true copy of the original documer	
Gregory D. Caldwell	September 26, 2002	
Name of Person Signing	Signature Date	
Total number of pages including cover sh	neet, attachments, and document: 3	

Washington, D.C. 20231

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Docket No. 42P14385

**PATENT REEL: 013345 FRAME: 0916**  Attorney's Docket No.: 42P14385

# **ASSIGNMENT**

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

### Kai Miao

hereby sell, assign, and transfer to:

## **Intel Corporation**

a Corporation of Delaware, having a principal place of business at 2200 Mission College Boulevard, Santa Clara, California 95052-8119 USA ("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 inventions and improvements that are disclosed in the application for the United States patent filed on August 6, 2002, and assigned Application No. and is entitled:

### COMMUNICATING TONE INFORMATION IN A NETWORK

and in and to said application and all design, utility, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said inventions and improvements; and in and to all original and reissued patents that have been or shall be issued in the United States and all foreign countries on said inventions and 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 inventions and 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, continuing, continuation-in-part, substitute, renewal, reissue, and all other patent applications on any and all said inventions and 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 inventions and improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said inventions and improvements and for vesting title to said inventions and improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

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PATENT REEL: 013345 FRAME: 0917 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.

### Each Inventor: Please Sign and Date Below:

<b>8</b> [13] 4	Name: Kai Miao
Date	Name:

Assignment Document Return Address: BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP 12400 Wilshire Blvd., Seventh Floor Los Angeles, CA 90025-1026 Telephone: (503) 684-6200

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> **PATENT** REEL: 013345 FRAME: 0918

**RECORDED: 10/03/2002**