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(Rev. 10/02)
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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

102826856

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

1. Name of conveying party(ies):

Lei Shao; Sumit Roy; Sumeet Sandhu

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

Name: **Intel Corporation**

8-27-04

Additional name(s) of conveying party(ies) attached?

No Yes

Internal Address:

Street Address: **2200 Mission College Boulevard**

3. Nature of Conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other

City: **Santa Clara** State: **CA** Zip: **95052**

Country: **USA**

Execution Date: *7/28/04 & 8/17/04*

Additional name(s) & address(es) attached? No Yes

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)

10/788657

B. Patent No.(s)

Additional numbers attached? No Yes

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

Name: **Blakely, Sokoloff, Taylor & Zafman LLP**

Internal Address:

Street Address: **12400 Wilshire Boulevard
7th Floor**

City: **Los Angeles** State: **CA** ZIP: **90025**

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:

02-2666

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true copy of the original document.

Paul A. Mendonsa

Name of Person Signing

Signature

August 23, 2004

Date

Total number of pages including cover sheet, attachments, and document: **5**

Mail documents to be recorded with required cover sheet information to:

Mail Stop Assignment Recordation Services
Director of the US Patent and Trademark Office
P.O. Box 1450
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08/31/2004 ECDDPER 00000069 10788657

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40.00 OP

Docket No. 42P16330X

PATENT
REEL: 015733 FRAME: 0229

ASSIGNMENT

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

Lei Shao; Sumit Roy; Sumeet Sandhu

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 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 February 27, 2004, and assigned Application No. 10/788657 and is entitled:

AN APPARATUS AND ASSOCIATED METHODS TO INTRODUCE DIVERSITY IN A MULTICARRIER CHANNEL

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 from the filing of said United States applications;

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 design, utility, 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, power of attorney, and other papers; communicate to said Assignee, its successors, assigns, and legal 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 legal 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

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 Here:

Date 07/18/2004 Name: Lei Shao *Lei Shao*

Date Name: Sumit Roy

Date Name: Sumeet Sandhu

Date Name:

Date Name:

Date Name:

Date Name:

Date Name:

Date Name:

Date Name:

Date Name:

Assignment Document Return Address:
BLAKEY, SOKOLOFF, TAYLOR & ZAFMAN LLP
12400 Wilshire Boulevard, 7th Floor
Los Angeles, CA 90025
Telephone: (503) 439-8778

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Each Inventor: Please Sign and Date Below:

Date

08/17/2004

Name: **Lei Shao**



Date

Name: **Sumit Roy**

Date

Name: **Sumeet Sandhu**

Date

Name:

Date

Name:

Date

Name:

Date

Name:

Date

Name:

Date

Name:

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Each Inventor: Please Sign and Date Below:

Date Name: **Lei Shao**

Date **7/28/04** Name: **Sumit Roy**
Sumeet Sandhu

Date Name: **Sumeet Sandhu**

Date Name:

Date Name:

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