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FORM PTO-1595 (Rev. 10/02) Record
OMD No. 0651-0011 (exp. 6/30/2005)

DEPARTMENT OF COMMERCE
Patent and Trademark Office

6-30-05

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

1. Name of conveying party(ies):
Leonel Arana; Michael Newman; Devendra Natekar

2. Name and address of receiving party(ies):
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:
 Assignment Merger
 Security Agreement Change of Name
 Other

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

Execution Date:

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)

B. Patent No.(s)

Additional numbers attached? No Yes

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

6. Total number of applications and patents involved: **1**

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

7. Total Fee (37 CFR 3.41).....\$ **40.00**

Internal Address:

Enclosed
 Authorized to be charged to deposit account

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

8. Deposit Account Number:

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

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

June 30, 2005

Name of Person Signing

Signature

Date

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

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05 FC:8021

40.00 OP

Docket No. 42P21207

113013 U.S. PTO
11174125



063005

Attorney's Docket No.: 42P21207

ASSIGNMENT

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

Leonel Arana; Michael Newman; Devendra Natekar

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 that has been executed by the undersigned prior hereto or concurrently herewith on the dates indicated below and is entitled:

INTEGRATED CIRCUIT DIE CONTAINING PARTICLE-FILLED THROUGH-SILICON METAL VIAS WITH REDUCED THERMAL EXPANSION

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 Below:

6/30/05 _____
Date Name: **Leonel Arana**

6/30/05 _____
Date Name: **Michael Newman**

06/30/2005 _____
Date Name: **Devendra Natekar**

Date Name:

Date Name:

Date Name:

Date Name:

Date Name:

Date Name:

Date Name:

Date Name:

Date Name:

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