04-27-2005

102989215

Attorney Docket No.: 42P20621

| Marc Epitaux    Additional name(s) of conveying party(ies) attached?   Internal Address:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                |                                                                    |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|--------------------------------------------------------------------|--|
| Marc Epitaux    Name: Intel Corporation   Internal Address:   Internal Address:   2200 Mission College Blvd.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | To the Director of the United States Patent and Trademark Offi | ce. Please record the attached original documents or copy thereof. |  |
| Additional name(s) of conveying party(ies) attached?    No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Name of conveying party(ies):                                  | Name and address of receiving party(ies):                          |  |
| Street Address: 2200 Mission College Blvd.    Assignment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Marc Epitaux                                                   | Name: Intel Corporation                                            |  |
| Assignment   Merger   Security Agreement   Change of Name   City: Santa Clara   State/Province: CA   Zip: 95052   Country: USA   Additional name(s) & address(es) attached?   Yes   No   Name and address of party to whom correspondence concerning document should be mailed:    Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Additional name(s) of conveying party(ies) attached? ■ No □Yes | Internal Address:                                                  |  |
| Security Agreement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 3. Nature of Conveyance                                        | Street Address: 2200 Mission College Blvd.                         |  |
| Country: USA Additional name(s) & address(es) attached?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | ■ Assignment                                                   |                                                                    |  |
| Additional name(s) & address(es) attached?  Additional name(es) & additional n           | ☐ Security Agreement ☐ Change of Name                          | City: Santa Clara State/Province: CA Zip: 95052                    |  |
| Additional name(s) & address(es) attached?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Other:                                                         | Country: USA                                                       |  |
| If this document is being filed together with a new application, the execution date of the application is:  A. Patent Application No.(s)  11/026,259  Additional numbers attached? Yes No  6. Name and address of party to whom correspondence concerning document should be mailed:  Name: Blakely, Sokoloff, Taylor & Zafman LLP Internal Address: Todd M. Becker  Street Address: 12400 Wilshire Boulevard, 7th Floor  Los Angeles, California 90025  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.  Fodd M. Becker, Reg. No. 43,487  Name of Person Signing  Total number of applications and patents involved:  1. Total number of applications and patents involved:  2. Total number of applications and patents involved:  3. Total number of applications and patents involved:  1. Total number of applications and patents involved:  2. Total number of applications and patents involved:  3. Total number of applications and patents involved:  3. Total number of applications and patents involved:  4. Total number of application           | Execution Date(s): March 14, 2005                              |                                                                    |  |
| Additional numbers attached? Yes No  Name and address of party to whom correspondence concerning document should be mailed:  Name: Blakely, Sokoloff, Taylor & Zafman LLP nternal Address: Todd M. Becker    12400 Wilshire Boulevard, 7th Floor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                | ion, the execution date of the application is:                     |  |
| Additional numbers attached? Yes No  Name and address of party to whom correspondence concerning document should be mailed:  Name: Blakely, Sokoloff, Taylor & Zafman LLP Internal Address: Todd M. Becker  Street Address: 12400 Wilshire Boulevard, 7th Floor  Los Angeles, California 90025  B. Deposit Account Number:  DO NOT USE THIS SPACE  DO NO           | **                                                             | B. Patent No.(s)                                                   |  |
| 6. Total number of applications and patents involved: 1  Name: Blakely, Sokoloff, Taylor & Zafman LLP Internal Address: Todd M. Becker Street Address: 12400 Wilshire Boulevard, 7th Floor Los Angeles, California 90025  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.  Fodd M. Becker, Reg. No. 43,487 Name of Person Signing Total number of pages including cover sheet, attachments, and documents: 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                | l<br>attached? ☐ Yes ■ No                                          |  |
| Internal Address: Todd M. Becker  Street Address: 12400 Wilshire Boulevard, 7th Floor  Los Angeles, California 90025  8. Deposit Account Number:  02-2666  (Attach duplicate copy of this page if paying by deposit accounts)  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.  Todd M. Becker, Reg. No. 43,487  Name of Person Signing  Signature  Date  Total number of pages including cover sheet, attachments, and documents:  3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                | Total number of applications and patents involved:                 |  |
| Internal Address: Todd M. Becker  Street Address: 12400 Wilshire Boulevard, 7 <sup>th</sup> Floor  Los Angeles, California 90025  Be Deposit Account Number:  DO NOT USE THIS SPACE  DO NOT USE T | Name: Blakely, Sokoloff, Taylor & Zafman LLP                   | 7. Total Fee (37 CFR 3.41)\$ 40.00                                 |  |
| Los Angeles, California 90025  8. Deposit Account Number:  02-2666  (Attach duplicate copy of this page if paying by deposit account):  DO NOT USE THIS SPACE  2. 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.  Fodd M. Becker, Reg. No. 43,487  Name of Person Signing  Total number of pages including cover sheet, attachments, and documents:  3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Internal Address: Todd M. Becker                               | T =                                                                |  |
| DO NOT USE THIS SPACE  Do Not use this page if paying by deposit accounts.  Do Not use this space if paying by deposit accounts.  Do Not use this space  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.  Todd M. Becker, Reg. No. 43,487  Name of Person Signing  Signature  Date  Total number of pages including cover sheet, attachments, and documents:  3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Street Address: 12400 Wilshire Boulevard, 7th Floor            |                                                                    |  |
| (Attach duplicate copy of this page if paying by deposit accounts)  DO NOT USE THIS SPACE  3. 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.  Todd M. Becker, Reg. No. 43,487  Name of Person Signing  Signature  Total number of pages including cover sheet, attachments, and documents:  3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Los Angeles, California 90025                                  |                                                                    |  |
| DO NOT USE THIS SPACE  Do Not use 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.  Todd M. Becker, Reg. No. 43,487  Name of Person Signing  Name of pages including cover sheet, attachments, and documents:  3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                |                                                                    |  |
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| 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 briginal document.  Todd M. Becker, Reg. No. 43,487  Name of Person Signing  Total number of pages including cover sheet, attachments, and documents:  3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | DO NOT L                                                       | JSE THIS SPACE                                                     |  |
| Total number of pages including cover sheet, attachments, and documents:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Todd M. Becker, Reg. No. 43,487                                |                                                                    |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                | sheet, attachments, and documents:                                 |  |
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Based on Form PTO-1595 as modified by BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP on 05/09/03

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Director of the United States Patent and Trademark Office P.O. Box 1450
Alexandria, Virginia 22313-1450

Attorney's Docket

## ASSIGNMENT

PATENT

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| No.: | 42P20621 |
|      |          |

(For Execution After Filing Patent Application)

| In consideration of good and valuable consideration, the receipt of which is hereby                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| acknowledged, _I                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |
| the undersigned, Marc Epitaux                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |
| hereby sell, assign, and transfer to Intel Corporation                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |
| a corporation of <u>Delaware</u> , having a principal place of business at                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |  |
| 2200 Mission College Blvd., 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 that was filed <a href="December 30">December 30</a> , 20 04 and assigned Application No. <a href="11/026,259">11/026,259</a> and is entitled                  |  |  |  |
| SILICON PACKAGING FOR OPTO-ELECTRONIC MODULES                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |
| 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 |  |  |  |

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, continuation 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

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

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.

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Rev. 01/01/2000 (A2)

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filing of said United States application:

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|--------------|------|--------------------|
| Date: 3/4/05 | , 20 | Name: Marg Epitaux |
| Date:        | , 20 | Name:              |
|              |      | Name:              |
| Date:        |      |                    |
| Date:        |      |                    |
| Date:        | , 20 | Name:              |
|              |      | Name:              |

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Rev. 01/01/2000 (A2)

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