04-28-2003

J.S. DEPARTMENT OF COMMERCE

1. Name of conveying party(ies): Suvansh K. Kapur Kai Cheng Robert J. Hoogland Additional name(s) of conveyance: Assignment Other City: Santa Clara State California Zip: Additional name(s) & address (es) attached?  Additional name(s) & address (es) attached? Additional name(s) & address (es) attached?  Total number of applications and patents invocacering document should be mailed: Name: John Travis Internal Address: Blakely Sokoloff Taylor & Zafman LLP  Street Address: 2200 Mission College Black (Clara)  Additional name(s) & address(es) attached? Additional name(es) & address(	To the Handrahle Commissioner of Patent	s and Trademarks: Please record the attached original documents or copy thereof.
Suvansh K. Kapur Kai Cheng Robert J. Hoogland  Additional name(s) of conveyance:  Assignment Security Agreement Change of Name City: Santa Clara State California Zip Additional name(s) & address(es) attached? 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)  10/358,568  Additional numbers attached? Yes Additional number of applications and patents invocament is document should be mailed: Name: John Travis Internal Address: Blakely Sokoloff Taylor & Zafman LLP  Street Address: 12400 Wilshire Boulevard Seventh Floor CityLos Angeles State: California Zip: 90025-1030  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		
Kai Cheng Robert J. Hoogland  Additional name(s) of conveying party(iss) attached? Yes No  3. Nature of conveyance:  Assignment  Change of Name  Other  City: Santa Clara  State, California Zig Additional name(s) & address(s) attached? Yes Yes  Additional name(s) & address(s) attached? Yes  Additional name(		
Robert J. Hoogland  Additional name(s) of conveying party(ies) attached? Yes No  3. Nature of conveyance:  Security Agreement  Other  Other  City: Santa Clara  State California Zip  Additional name(s) & address: 2200 Mission College Bit  City: Santa Clara  State California Zip  Additional name(s) & address(es) attached? 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)  10/358,568  Additional numbers attached? Yes No  5. Name and address of party to whom correspondence concerning document should be mailed:  Name:  John Travis  Internal Address:  Blakely Sokoloff Taylor &  Zafman LLP  Street Address: 12400 Wilshire Boulevard  Seventh Floor  City Los Angeles  State: California Zip: 90025-1030  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		
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		, the foregoing information is true and correct and any attached copy
Name of Person Staning 1 / Standard 11910	John Travis, Reg. No. 43,203  Name of Person Signing	John Travis 4-12-03 Signature Date

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40.00 MMI documents to be recorded with required cover sheet information to: Commissioner of Patents & Trademarks, Box Assignments Washington, D.C. 20231

## ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we the undersigned Suvansh K. Kapur, Kai Cheng, and Robert J. Hoogland, hereby sell, assign, and transfer to Intel Corporation, a corporation of Delaware, having a principal place of business at 2200 Mission College Blvd., Santa Clara, California 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 February 5, 2003 and assigned Application No. 10/358,568, and is entitled:

## SHARED BYPASS BUS STRUCTURE

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.

1

RECORDED: 04/24/2003

PATENT REEL: 013989 FRAME: 0180