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FORM PTO-1595
(Rev. 3/01)
OMD NO. 0651-0011 exp. 5/31/2002)



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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

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

1. Name of conveying party(ies): Peter L. Doyle and Aditya Sreenivas Additional name(s) of conveying party(ies) attached? ☒ No ☐ Yes		2. Name and address of receiving party(ies): Name: Intel Corporation Internal Address: _____ Street Address: 2200 Mission College Blvd. City: Santa Clara State/Province: CA Zip: 95052 Country: _____ Additional name(s) & address(es) attached? ☐ Yes ☒ No				
3. Nature of Conveyance ☒ Assignment ☐ Merger ☐ Security Agreement ☐ Change of Name ☐ Other: Execution Date(s): 8/31/01 and 9/20/01		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) 09/895,529 Additional numbers attached? ☐ Yes ☒ No				
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: California 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 (Attach duplicate copy of this page if paying by deposit account)				
DO NOT USE THIS SPACE						
9. Statement and signature. <i>To the best of my knowledge and believe, the foregoing is true and correct and any attached copy is a true copy of the original document</i> <table border="0" style="width: 100%;"> <tr> <td style="width: 30%;"> Thomas S. Ferrill Reg. No. 42,532 Name of Person Signing </td> <td style="width: 30%; text-align: center;"> Signature </td> <td style="width: 30%; text-align: center;"> 10-22-01 Date </td> </tr> </table> Total number of pages including cover sheet, attachments, and document: 3				Thomas S. Ferrill Reg. No. 42,532 Name of Person Signing	 Signature	10-22-01 Date
Thomas S. Ferrill Reg. No. 42,532 Name of Person Signing	 Signature	10-22-01 Date				

Mail documents to be recorded with required cover sheet information to:
 Assistant Commissioner of Patents, Box Assignments
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Atty Docket No. 42390P11480

01/11/2002 TDIAZ1 00000110 09895529

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PATENT
 REEL: 012446 FRAME: 0187

No.: 42390P11480 (For Execution After Filing Patent Application)

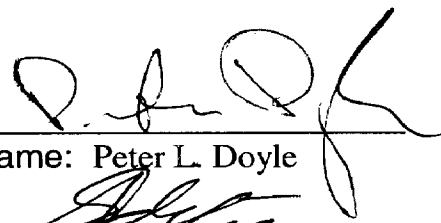
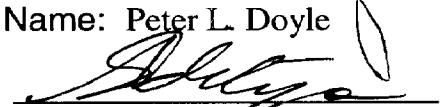
In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we,
the undersigned, Peter L. Doyle and Aditya Sreenivas
hereby sell, assign, and transfer to Intel Corporation
a corporation of Delaware, having a principal place of business at
2200 Mission College Blvd., Santa Clara, 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 June 29, 2001 and assigned
Application No. 09/895,529 and is entitled

APPARATUS, METHOD AND SYSTEM WITH A GRAPHICS-RENDERING ENGINE
HAVING A TIME ALLOCATOR

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.

Date: 8/31, 20 01 
Name: Peter L. Doyle
Date: 9/20, 20 01 
Name: Aditya Sreenivas

State of: _____ }
County of: _____ } SS. Assignment Document Return Address:
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
12400 Wilshire Blvd., Seventh Floor
Los Angeles, California 90025-1026
(408) 720-8598

On this _____ day of _____, 20 __, before me, _____,
the undersigned Notary Public, personally appeared _____

☐ personally known to me ☐ proved to me on the basis of satisfactory evidence to
be the person(s) whose name(s) subscribed to the within instrument, and
acknowledged that executed it.
WITNESS my hand and official seal.

Notary's Signature