04-24-2002

FORM PTO-1595 (Rev. 6-93) OMD No. 0651-0011 (exp. 4/94)	U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office
To the Honorable Commissioner of Patents and Trademark	s. Please record the attached original documents or copy thereof.
1. Name of conveying party(ies): Rose A. Mulligan; Jun He; Thomas Marieb; Susa Menezes; Steven Towle	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:	City: Santa Clara State: CA Zip: 95052-8119 Country: USA 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 app	
A. Patent Application No.(s)	B. Patent No.(s)
09/997,086	5
Additiona	I numbers attached?
5. Name and address of party to whom corresponden concerning document should be mailed:	6. Total number of applications and patents involved:
Name: Blakely, Sokoloff, Taylor & Zafman LLP	7. Total Fee (37 CFR 3.41)\$ 40.00
Internal Address:	Authorized to be charged to deposit account
Street Address: 12400 Wilshire Boulevard 7th Floor	8. Deposit Account Number: 02-2666
City: Los Angeles State: CA ZIP:	90025 (Attach duplicate copy of this page if paying by deposit account)
DOI	NOT USE THIS SPACE
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 documen
	- Fam & Mandonso. April 3, 2002
Paul A. Mendonsa Name of Person Signing	Signature Date

Total number of pages including cover sheet, atta 00000234 09997086 Assistant Commissioner of Patents Cover sheet information to:

Assistant Commissioner of Patents, Box Assignments

04/23/2002 TDIAZ1

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40.00 OP

Washington, D.C. 20231

Docket No. 42P12898

Attorney's Docket No.: 42390P12898

ASSIGNMENT

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

Rose A. Mulligan; Jun He; Thomas Marieb; Susanne Menezes; Steven Towle

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 95052-8119 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 November 28, 2001, and assigned Application No. 09/997,086 and is entitled:

FORMING DEFECT PREVENTION TRENCHES IN DICING STREETS

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 resulting from the filing of said United States application;

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 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, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and 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 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

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> PATENT REEL: 012807 FRAME: 0489

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:

Date	Name: Rose A. Mulligan
Mar. 09,2002	
Date	Name: Jun He
Mar. 18, 2002	2x/1/4/
Date	Name: Thomas Marieb
Fri Harch 22, 20	or Susanne Meneres
Date	Name: Susanne Menezes
Date	Name: Steven Towle
Date	Name:

Assignment Document Return Address:
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
12400 Wilshire Blvd., Seventh Floor
Los Angeles, CA 90025-1026
Telephone: (503) 684-6200

Page 2 of 2

Attorney's Docket No.: 42390P12898

ASSIGNMENT

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

Rose A. Mulligan; Jun He; Thomas Marieb; Susanne Menezes; Steven Towle

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 95052-8119 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 November 28, 2001, and assigned Application No. 09/997,086 and is entitled:

FORMING DEFECT PREVENTION TRENCHES IN DICING STREETS

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 resulting from the filing of said United States application;

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 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, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and 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 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

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> PATENT REEL: 012807 FRAME: 0491

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:

3/19/02	xon Maller
Date	Name: Rose A. Mulhgan
Date	Name: Jun He
Date	Name: Thomas Marieb
Date 3/18/2002	Name: Susanne Menezes
Date	Name: Steven Towle
Date	Name:

Assignment Document Return Address: BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP 12400 Wilshire Blvd., Seventh Floor Los Angeles, CA 90025-1026 Telephone: (503) 684-6200

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RECORDED: 04/12/2002