

9/30/05

10-11-2005



103097195

Attorney Docket No.: 42P22211

To the Director of the United States Patent and Trademark Office. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

1) Shih-wei Liao 2) Zhao Hui Du
3) Bu Qi Cheng 4) Gansha Wu
5) Guei-Yuan Lueh

Additional name(s) of conveying party(ies) attached?

☒ No ☐ Yes

2. Name and address of receiving party(ies):

Name: Intel Corporation

Internal Address: _____

3. Nature of Conveyance

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other:

Execution Date(s): 1) 09/28/05; 2) 09/28/05;3) 09/30/05; 4) 09/30/05; 5) 09/28/05Street Address: 2200 Mission College Blvd.City: Santa Clara State/Province: CA Zip: 95052Country: USAAdditional name(s) & address(es) attached? ☐ Yes ☒ No

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)

1) 09/28/05; 2) 09/28/05;3) 09/30/05; 4) 09/30/05;5) 09/28/05Additional numbers attached? ☐ Yes ☒ No

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

Name: Blakely, Sokoloff, Taylor & Zafman LLPInternal Address: Anthony H. Azure

Street Address: 12400 Wilshire Boulevard, 7th Floor
Los Angeles, California 90025

6. Total number of applications and patents involved: 17. 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.

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.

Anthony H. Azure, Reg. No. 52,580

Name of Person Signing

Signature

Sept. 30, 2005

Date

Total number of pages including cover sheet, attachments, and documents: 6

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

Mail Stop Assignment Recordation Services

Director of the United States Patent and Trademark Office

P.O. Box 1450

Alexandria, Virginia 22313-1450

10/04/2005 SDENB0B1 00000004 11239818

04 FC:8021

(40.00 OP)

Based on Form PTO-1595 as modified by BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP on 05/09/03

PATENT
REEL: 017056 FRAME: 0179

No.: 42P22211 (For Execution Prior To Filing Patent Application)

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we
the undersigned, Shih-wei Liao, Zhao Hui Du, Bu Qi Cheng, Gansha Wu, and Guei-Yuan Lueh

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 has been executed by the undersigned prior
hereto or concurrently herewith on the dates indicated below and is entitled GENERATING EFFICIENT PARALLEL CODE USING PARTITIONING, COALESCING, AND
DEGENERATIVE LOOP AND GUARD REMOVAL,

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.

Each Inventor: Please Sign and Date Below:

9-28, 20 05 Shih-wei Liao
Date Name: Shih-wei Liao

_____, 20____ _____
Date Name: Zhao Hui Du

_____, 20____ _____
Date Name: Bu Qi Cheng

_____, 20____ _____
Date Name: Gansha Wu

9-28, 20 05 Guei-Yuan Lueh
Date Name: Guei-Yuan Lueh

_____, 20____ _____
Date Name:

Each Inventor: Please also list the date that you signed the accompanying DECLARATION AND POWER OF ATTORNEY:

9-28, 20 05
Date

_____, 20____
Date

_____, 20____
Date

_____, 20____
Date

9-28, 20 05
Date

_____, 20____
Date

State of: _____ }
County of: _____ }

SS. Assignment Document Return Address:
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
12400 Wilshire Blvd., Seventh Floor
Los Angeles, CA 90025-1026
(206) 292-8600

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

Each Inventor: Please Sign and Date Below:

_____, 20____	_____ Name: Shih-wei Liao
Date	
Sep 28, 20 05	Du, Zhao Hui
Date	Name: Zhao Hui Du
_____, 20____	_____ Name: Bu Qi Cheng
Date	
_____, 20____	_____ Name: Gansha Wu
Date	
_____, 20____	_____ Name: Guei-Yuan Lueh
Date	
_____, 20____	_____ Name:
Date	

Each Inventor: Please also list the date that you signed the accompanying DECLARATION AND POWER OF ATTORNEY:

_____, 20____
Date
Sep 28, 20 05
Date
_____, 20____
Date
_____, 20____
Date
_____, 20____
Date
_____, 20____
Date

State of: _____ }
County of: _____ } SS.

Assignment Document Return Address:
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
12400 Wilshire Blvd., Seventh Floor
Los Angeles, CA 90025-1028
(206) 292-8600

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

Each Inventor: Please Sign and Date Below:

_____, 20____ Date	_____ Name: Shih-weí Liao
_____, 20____ Date	_____ Name: Zhao Hui Du
<u>9.30</u> , 20 <u>05</u> Date	<u>Cheng, Bugi</u> Name: Bu Cheng
_____, 20____ Date	_____ Name: Gansha Wu
_____, 20____ Date	_____ Name: Guei-Yuan Lueh
_____, 20____ Date	_____ Name:

Each Inventor: Please also list the date that you signed the accompanying DECLARATION AND POWER OF ATTORNEY:

_____, 20____ Date
_____, 20____ Date
<u>9.30</u> , 20 <u>05</u> Date
_____, 20____ Date
_____, 20____ Date
_____, 20____ Date

State of: _____ }
County of: _____ } SS.

Assignment Document Return Address:
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
12400 Wilshire Blvd., Seventh Floor
Los Angeles, CA 90025-1026
(206) 292-8600

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

Each Inventor: Please Sign and Date Below:

_____, 20____
Date Name: Shih-wel Liao

_____, 20____
Date Name: Zhao Hui Du

_____, 20____
Date Name: Bu Qi Cheng

9.30, 20 05
Date Name: Gansha Wu

_____, 20____
Date Name: Guel-Yuan Lueh

_____, 20____
Date Name:

Each Inventor: Please
also list the date that
you signed the
accompanying
DECLARATION AND
POWER OF
ATTORNEY:

_____, 20____
Date

_____, 20____
Date

_____, 20____
Date

9.30, 20 05
Date

_____, 20____
Date

_____, 20____
Date

State of: _____
County of: _____

Assignment Document Return Address:
SS. BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
12400 Wilshire Blvd., Seventh Floor
Los Angeles, CA 90025-1028
(206) 292-8600

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