

PATENT APPLICATION
Attorney's Docket No. 5038-394
Client Ref. No. P20909

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Mail Stop Assignment Recordation Services
Director of the U.S. Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

Please record the attached original document or copy thereof and return the recorded instrument to the undersigned.

1. Name of party(ies) conveying an interest:
 - (1) Hemant G. Rotithor
 - (2) Abhishek Singhal
 - (3) Randy B. Osborne
 - (4) Zohar Bogin
 - (5) Raul N. Gutierrez
 - (6) Buderya S. Acharya
 - (7) Surya Kareenahalli
2. Name and address of party(ies) receiving an interest: Intel Corporation (a Delaware corporation)
2200 Mission College Blvd.
P.O. Box 58119
Santa Clara, CA 95052-8119
3. Description of the interest conveyed:
☒ Assignment ☐ Change of Name ☐ Security Agreement ☐ Merger ☐ Other
Date of execution of attached document: (1) August 23, 2005; (2) August 23, 2005; (3) July 13, 2005; (4) September 2, 2005; (5) June 22, 2005; (6) June 17, 2005; and (7) June 22, 2005, respectively
4. Application number(s) or patent number(s). Additional sheet attached? Yes ___ No X
A. Patent Application No. 11/172,401, filed June 29, 2005
B. Patent No.
5. Name and address of party to whom correspondence concerning document should be mailed:
MARGER JOHNSON & McCOLLUM, P.C.
210 S.W. Morrison Street, Suite 400
Portland, Oregon 97204
Telephone: (503) 222-3613
6. Number of applications and patents involved: 1
7. PTO Form 2038 authorizing credit card payment (\$40) is enclosed.

OP \$40.00 11172401

8. Any deficiency or overpayment should be charged or credited to deposit account number 13-1703.
9. 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.

Dated: September 9, 2005

Respectfully submitted,
MARGER JOHNSON & McCOLLOM, P.C.

Celia C. Dunham
Celia C. Dunham
Reg. No. 49,041

MARGER JOHNSON & McCOLLOM, P.C.
210 SW Morrison Street, Suite 400
Portland, OR 97204
(503) 222-3613

Total number of pages comprising
cover sheet and attached assignment: 17

I hereby certify that this correspondence,
consisting of 18 pages, is being
transmitted to the U.S. Patent and
Trademark Office via facsimile number
703-306-5995, on September 9, 2005.
Rachel Berman
Rachel Berman

PATENT APPLICATION
Attorney's Do. No. 5038-394
Client Ref. No. P20909

ASSIGNMENT

Assignor: Hemant G. Rotithor
Address: 399D, NE Autumn Rose Way
Hillsboro, OR 97124

Assignor: Abhishek Singhal
Address: 2378 NW Schmidt Way, #137
Beaverton, OR 97006

Assignor: Randy B. Osborne
Address: 3542 NW 163rd Court
Beaverton, OR 97006

Assignor: Zohar Bogin
Address: 171 Wellfleet Circle
Folsom, CA 95630

Assignor: Raul N. Gutierrez
Address: 8742 Laguna Star Drive
Elk Grove, CA 95758

Assignor: Buderya S. Acharya
Address: 4008 Avellano Drive
El Dorado Hills, CA 95762

Assignor: Surya Kareenahalli
Address: 175 Oxborough Drive
Folsom, CA 95630

Assignee: Intel Corporation (a Delaware corporation)
Address: 2200 Mission College Blvd.
P.O. Box 58119
Santa Clara, CA 95052-8119

Title of Invention: A HIGH PERFORMANCE CHIPSET PREFETCHER FOR
INTERLEAVED CHANNELS

U.S. Patent Application:

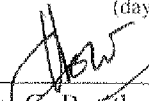
Application Serial No.: 11/172,401

Filing Date: June 29, 2005

For good and valuable consideration, the receipt of which is hereby acknowledged, the above-named Assignor hereby sells, assigns and transfers to Assignee, the full and exclusive right, title and interest in and to the above-identified invention, patent application and patent rights throughout the world, including foreign patent priority rights; said invention, application and letters patent in this or any foreign country, and all divisions, continuations, reissues and extensions thereof, to be held and enjoyed by Assignee, for its own use and benefit, and for its successors and assigns to the full end of the term for which letters patent may be granted in this or any foreign country, as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made, and covenant that Assignor has full right so to do, and agree that Assignor will communicate to Assignee, or its successors and assigns, any facts known to Assignor respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths, and do everything possible to aid Assignee, its successors and assigns to obtain and enforce proper patent protection for said invention in this or any foreign country.

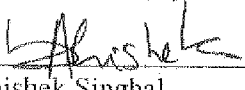
In the event that the patent application filing date or serial number is not known at the time this document is executed, Assignor hereby grants permission to the attorneys of record in the patent application to fill in the filing date and/or serial number above, and to record this assignment after such information is added.

Executed at Hillsboro, OR, this 23 day of August, 2005.
(city) (state) (day) (month)



Hemant G. Rotthor
Assignor

Executed at Hillsboro, OR, this 23 day of August, 2005.
(city) (state) (day) (month)



Abhishek Singhal
Assignor

Executed at _____, _____, this _____ day of _____, 2005.
(city) (state) (day) (month)

Randy B. Osborne
Assignor

Executed at _____, this _____ day of _____, 2005.
(city) (state) (day) (month)

Zohar Bogin
Assignor

Executed at _____, this _____ day of _____, 2005.
(city) (state) (day) (month)

Raul N. Gutierrez
Assignor

Executed at _____, this _____ day of _____, 2005.
(city) (state) (day) (month)

Buderya S. Acharya
Assignor

Executed at _____, this _____ day of _____, 2005.
(city) (state) (day) (month)

Surya Kareenahalli
Assignor

Jul 13 05 01:28p

503-264-2062

5032642062

p.2

PATENT APPLICATION
Attorney's Do. No. 5038-394
Client Ref. No. P20909

ASSIGNMENT

Assignor: Hemant G. Rotthor
Address: 399D, NE Autuma Rose Way
Hillsboro, OR 97124

Assignor: Abhishek Singhal
Address: 2378 NW Schmidt Way, #137
Beaverton, OR 97006

Assignor: Randy B. Osborne
Address: 3542 NW 163rd Court
Beaverton, OR 97006

Assignor: Zohar Bogin
Address: 171 Wellfleet Circle
Folsom, CA 95630

Assignor: Raul N. Gutierrez
Address: 8742 Laguna Star Drive
Elk Grove, CA 95758

Assignor: Buderya S. Acharya
Address: 4008 Avellano Drive
El Dorado Hills, CA 95762

Assignor: Surya Kareenahalli
Address: 175 Oxborough Drive
Folsom, CA 95630

Assignee: Intel Corporation (a Delaware corporation)
Address: 2200 Mission College Blvd.
P.O. Box 58119
Santa Clara, CA 95052-8119

Title of Invention: **A HIGH PERFORMANCE CHIPSET PREFETCHER FOR
INTERLEAVED CHANNELS**

U.S. Patent Application:

Application Serial No.: 11/172,401

Filing Date: June 29, 2005

Jul 13 05 01:28p

503-264-2062

5032642062

p.3

For good and valuable consideration, the receipt of which is hereby acknowledged, the above-named Assignor hereby sells, assigns and transfers to Assignee, the full and exclusive right, title and interest in and to the above-identified invention, patent application and patent rights throughout the world, including foreign patent priority rights; said invention, application and letters patent in this or any foreign country, and all divisions, continuations, reissues and extensions thereof, to be held and enjoyed by Assignee, for its own use and benefit, and for its successors and assigns to the full end of the term for which letters patent may be granted in this or any foreign country, as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made, and covenant that Assignor has full right so to do, and agree that Assignor will communicate to Assignee, or its successors and assigns, any facts known to Assignor respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths, and do everything possible to aid Assignee, its successors and assigns to obtain and enforce proper patent protection for said invention in this or any foreign country.

In the event that the patent application filing date or serial number is not known at the time this document is executed, Assignor hereby grants permission to the attorneys of record in the patent application to fill in the filing date and/or serial number above, and to record this assignment after such information is added.

Executed at _____, this _____ day of _____, 2005.
(city) (state) (day) (month)

Hemant G. Rotithor
Assignor

Executed at _____, this _____ day of _____, 2005.
(city) (state) (day) (month)

Abhishek Singhal
Assignor

Executed at Hillsboro, Oregon, this 13th day of July, 2005.
(city) (state) (day) (month)

Randy B. Osborne
Randy B. Osborne
Assignor

Jul 13 05 01:28p

503-264-2062

5032642062

p.4

Executed at _____, _____, this _____ day of _____, 2005.
(city) (state) (day) (month)

Zohar Bogin
Assignor

Executed at _____, _____, this _____ day of _____, 2005.
(city) (state) (day) (month)

Raul N. Gutierrez
Assignor

Executed at _____, _____, this _____ day of _____, 2005.
(city) (state) (day) (month)

Buderya S. Acharya
Assignor

Executed at _____, _____, this _____ day of _____, 2005.
(city) (state) (day) (month)

Surya Kareenahalli
Assignor

9- 2-05; 1:37PM;

; 9:63773830

8/ 8

PATENT APPLICATION
Attorney's Do. No. 5038-394
Client Ref. No. P20909

ASSIGNMENT

Assignor: Hemant G. Rotithor
Address: 399D, NE Autumn Rose Way
Hillsboro, OR 97124

Assignor: Abhishek Singhal
Address: 2378 NW Schmidt Way, #137
Beaverton, OR 97006

Assignor: Randy B. Osborne
Address: 3542 NW 163rd Court
Beaverton, OR 97006

Assignor: Zohar Bogin
Address: 171 Wellfleet Circle
Folsom, CA 95630

Assignor: Raul N. Gutierrez
Address: 8742 Laguna Star Drive
Elk Grove, CA 95758

Assignor: Buderya S. Acharya
Address: 4008 Avellano Drive
El Dorado Hills, CA 95762

Assignor: Surya Kareenahalli
Address: 175 Oxborough Drive
Folsom, CA 95630

Assignee: Intel Corporation (a Delaware corporation)
Address: 2200 Mission College Blvd.
P.O. Box 58119
Santa Clara, CA 95052-8119

Title of Invention: A HIGH PERFORMANCE CHIPSET PREFETCHER FOR
INTERLEAVED CHANNELS

U.S. Patent Application:

Application Serial No.: 11/172,401

Filing Date: June 29, 2005

9- 2-05: 1:37PM:

:9163773830

7/ 8

For good and valuable consideration, the receipt of which is hereby acknowledged, the above-named Assignor hereby sells, assigns and transfers to Assignee, the full and exclusive right, title and interest in and to the above-identified invention, patent application and patent rights throughout the world, including foreign patent priority rights; said invention, application and letters patent in this or any foreign country, and all divisions, continuations, reissues and extensions thereof, to be held and enjoyed by Assignee, for its own use and benefit, and for its successors and assigns to the full end of the term for which letters patent may be granted in this or any foreign country, as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made, and covenant that Assignor has full right so to do, and agree that Assignor will communicate to Assignee, or its successors and assigns, any facts known to Assignor respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths, and do everything possible to aid Assignee, its successors and assigns to obtain and enforce proper patent protection for said invention in this or any foreign country.

In the event that the patent application filing date or serial number is not known at the time this document is executed, Assignor hereby grants permission to the attorneys of record in the patent application to fill in the filing date and/or serial number above, and to record this assignment after such information is added.

Executed at 47 NW 1st St, Suite 100, this 15 day of September, 2005.
(city) (state) (day) (month)

Hemant G. Rotithor
Assignor

Executed at _____, this _____ day of _____, 2005.
(city) (state) (day) (month)

Abhishek Singhal
Assignor

Executed at _____, this _____ day of _____, 2005.
(city) (state) (day) (month)

Randy B. Osborne
Assignor

9- 2-05: 1:37PM;

;9163773830

8/ 8

Executed at Folsom, CA, this 2 day of 9, 2005.
(city) (state) (day) (month)

Zohar Bogin
Zohar Bogin
Assignor

Executed at _____, _____, this _____ day of _____, 2005.
(city) (state) (day) (month)

Raul N. Gutierrez
Assignor

Executed at _____, _____, this _____ day of _____, 2005.
(city) (state) (day) (month)

Buderya S. Acharya
Assignor

Executed at _____, _____, this _____ day of _____, 2005.
(city) (state) (day) (month)

Surya Kareenahalli
Assignor

PATENT APPLICATION
Attorney's Do. No. 5038-394
Client Ref. No. P20909

ASSIGNMENT

Assignor: Hemant G. Rotithor
Address: 399D, NE Autumn Rose Way
Hillsboro, OR 97124

Assignor: Abhishek Singhal
Address: 2378 NW Schmidt Way, #137
Beaverton, OR 97006

Assignor: Randy B. Osborne
Address: 3542 NW 163rd Court
Beaverton, OR 97006

Assignor: Zohar Bogin
Address: 171 Wellfleet Circle
Folsom, CA 95630

Assignor: Raul N. Gutierrez
Address: 8742 Laguna Star Drive
Elk Grove, CA 95758

Assignor: Buderya S. Acharya
Address: 4008 Avellano Drive
El Dorado Hills, CA 95762

Assignor: Surya Kareenahalli
Address: 175 Oxborough Drive
Folsom, CA 95630

Assignee: Intel Corporation (a Delaware corporation)
Address: 2200 Mission College Blvd.
P.O. Box 58119
Santa Clara, CA 95052-8119

Title of Invention: A HIGH PERFORMANCE CHIPSET PREFETCHER FOR
INTERLEAVED CHANNELS

U.S. Patent Application:

Application Serial No.: 11/172,401

Filing Date: June 29, 2005

For good and valuable consideration, the receipt of which is hereby acknowledged, the above-named Assignor hereby sells, assigns and transfers to Assignee, the full and exclusive right, title and interest in and to the above-identified invention, patent application and patent rights throughout the world, including foreign patent priority rights; said invention, application and letters patent in this or any foreign country, and all divisions, continuations, reissues and extensions thereof, to be held and enjoyed by Assignee, for its own use and benefit, and for its successors and assigns to the full end of the term for which letters patent may be granted in this or any foreign country, as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made, and covenant that Assignor has full right so to do, and agree that Assignor will communicate to Assignee, or its successors and assigns, any facts known to Assignor respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths, and do everything possible to aid Assignee, its successors and assigns to obtain and enforce proper patent protection for said invention in this or any foreign country.

In the event that the patent application filing date or serial number is not known at the time this document is executed, Assignor hereby grants permission to the attorneys of record in the patent application to fill in the filing date and/or serial number above, and to record this assignment after such information is added.

Executed at _____, _____, this _____ day of _____, 2005.
(city) (state) (day) (month)

Hemant G. Rotithor
Assignor

Executed at _____, _____, this _____ day of _____, 2005.
(city) (state) (day) (month)

Abhishek Singhal
Assignor

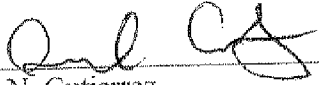
Executed at _____, _____, this _____ day of _____, 2005.
(city) (state) (day) (month)

Randy B. Osborne
Assignor

Executed at _____, _____, this _____ day of _____, 2005.
(city) (state) (day) (month)

Zohar Bogin
Assignor

Executed at Folsom, CA, this 22 day of June, 2005.
(city) (state) (day) (month)

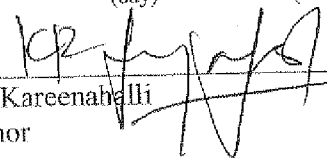


Raul N. Gutierrez
Assignor

Executed at _____, _____, this _____ day of _____, 2005.
(city) (state) (day) (month)

Buderya S. Acharya
Assignor

Executed at Folsom, CA, this 22 day of June, 2005.
(city) (state) (day) (month)



Surya Kareenahalli
Assignor

PATENT APPLICATION
Attorney's Do. No. 5038-394
Client Ref. No. P20909

ASSIGNMENT

Assignor: Hemant G. Rotithor
Address: 399D, NE Autumn Rose Way
Hillsboro, OR 97124

Assignor: Abhishek Singhal
Address: 2378 NW Schmidt Way, #137
Beaverton, OR 97006

Assignor: Randy B. Osborne
Address: 3542 NW 163rd Court
Beaverton, OR 97006

Assignor: Zohar Bogin
Address: 171 Wellfleet Circle
Folsom, CA 95630

Assignor: Raul N. Gutierrez
Address: 8742 Laguna Star Drive
Elk Grove, CA 95758

Assignor: Buderya S. Acharya
Address: 4008 Avellano Drive
El Dorado Hills, CA 95762

Assignor: Surya Kareenahalli
Address: 175 Oxborough Drive
Folsom, CA 95630

Assignee: Intel Corporation (a Delaware corporation)
Address: 2200 Mission College Blvd.
P.O. Box 58119
Santa Clara, CA 95052-8119

Title of Invention: A HIGH PERFORMANCE CHIPSET PREFETCHER FOR
INTERLEAVED CHANNELS

U.S. Patent Application:

Application Serial No.: 11/172,401

Filing Date: June 29, 2005

For good and valuable consideration, the receipt of which is hereby acknowledged, the above-named Assignor hereby sells, assigns and transfers to Assignee, the full and exclusive right, title and interest in and to the above-identified invention, patent application and patent rights throughout the world, including foreign patent priority rights; said invention, application and letters patent in this or any foreign country, and all divisions, continuations, reissues and extensions thereof, to be held and enjoyed by Assignee, for its own use and benefit, and for its successors and assigns to the full end of the term for which letters patent may be granted in this or any foreign country, as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made, and covenant that Assignor has full right so to do, and agree that Assignor will communicate to Assignee, or its successors and assigns, any facts known to Assignor respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths, and do everything possible to aid Assignee, its successors and assigns to obtain and enforce proper patent protection for said invention in this or any foreign country.

In the event that the patent application filing date or serial number is not known at the time this document is executed, Assignor hereby grants permission to the attorneys of record in the patent application to fill in the filing date and/or serial number above, and to record this assignment after such information is added.

Executed at _____, _____, this _____ day of _____, 2005.
(city) (state) (day) (month)

Hernant G. Rotithor
Assignor

Executed at _____, _____, this _____ day of _____, 2005.
(city) (state) (day) (month)

Abhishek Singhal
Assignor

Executed at _____, _____, this _____ day of _____, 2005.
(city) (state) (day) (month)

Randy B. Osborne
Assignor

Executed at _____, _____, this _____ day of _____, 2005.
(city) (state) (day) (month)

Zohar Bogin
Assignor

Executed at _____, _____, this _____ day of _____, 2005.
(city) (state) (day) (month)

Raul N. Gutierrez
Assignor

Executed at Folsom, CA, this 17 day of June, 2005.
(city) (state) (day) (month)

Buderya S. Acharya
Assignor

Executed at _____, _____, this _____ day of _____, 2005.
(city) (state) (day) (month)

Surya Kareenahalli
Assignor