

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
CONVEYING PARTY DATA															
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Rezaul Haque</td><td>09/16/2007</td></tr><tr><td>Darshak A. Udeshi</td><td>09/18/2007</td></tr><tr><td>Aliasgar S. Madraswala</td><td>09/18/2007</td></tr><tr><td>Karthi Ramamurthi</td><td>09/14/2007</td></tr><tr><td>Nathan C. Chrisman</td><td>09/13/2007</td></tr><tr><td>Kevin P. Flanagan</td><td>09/13/2007</td></tr></tbody></table>	Name	Execution Date	Rezaul Haque	09/16/2007	Darshak A. Udeshi	09/18/2007	Aliasgar S. Madraswala	09/18/2007	Karthi Ramamurthi	09/14/2007	Nathan C. Chrisman	09/13/2007	Kevin P. Flanagan	09/13/2007	
Name	Execution Date														
Rezaul Haque	09/16/2007														
Darshak A. Udeshi	09/18/2007														
Aliasgar S. Madraswala	09/18/2007														
Karthi Ramamurthi	09/14/2007														
Nathan C. Chrisman	09/13/2007														
Kevin P. Flanagan	09/13/2007														
RECEIVING PARTY DATA															
Name:	Intel Corporation														
Street Address:	2200 Mission College Blvd.														
City:	Santa Clara														
State/Country:	CALIFORNIA														
Postal Code:	95052														
PROPERTY NUMBERS Total: 1															
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11861240</td></tr></tbody></table>	Property Type	Number	Application Number:	11861240											
Property Type	Number														
Application Number:	11861240														
CORRESPONDENCE DATA															
Fax Number: (612)332-8352 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
Email: agilbert@intellevate.com															
Correspondent Name: KACVINSKY LLC															
Address Line 1: C/O INTELLEVATE															
Address Line 2: P.O. Box 52050															
Address Line 4: Minneapolis, MINNESOTA 55402															
ATTORNEY DOCKET NUMBER:	1020P26070														
NAME OF SUBMITTER:	Allison C. Gilbert														

CH \$40.00 11861240

PATENT

500655996

REEL: 021577 FRAME: 0121

Total Attachments: 10

source=P26070_Assignment#page1.tif
source=P26070_Assignment#page2.tif
source=P26070_Assignment#page3.tif
source=P26070_Assignment#page4.tif
source=P26070_Assignment#page5.tif
source=P26070_Assignment#page6.tif
source=P26070_Assignment#page7.tif
source=P26070_Assignment#page8.tif
source=P26070_Assignment#page9.tif
source=P26070_Assignment#page10.tif

ASSIGNMENT

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

REZAUL HAQUE; DARSHAK A. UDESHI; KARTHI RAMAMURTHI; NATHAN C. CHRISMAN; ALIASGAR S. MADRASWALA; KEVIN P. FLANAGAN

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 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 entitled:

DATA STORAGE AND PROCESSING ALGORITHM FOR PLACEMENT OF MULTI - LEVEL FLASH CELL (MLC)VT

(I hereby authorize and request my attorney, associated with Customer Number 59796, to insert on the designated lines below, the filing date and application number of said application when known.)

which was filed on _____ as

United States Application Number _____ and

which has been executed by the undersigned prior hereto or concurrently herewith on the date(s) indicated below,

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 applications;

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 design, utility, 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 legal 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 legal 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

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.

Note to each inventor:
On the line below, please enter the date on which you signed the accompanying "Declaration and Power of Attorney":

<u>Rezaul Haque</u> REZAUL HAQUE	<u>9/16/2007</u> (Today's Date)	<u>9/16/2007</u> (Date of Declaration)
<u>DARSHAK A. UDESHI</u>	<u>(Today's Date)</u>	<u>(Date of Declaration)</u>
<u>KARTHI RAMAMURTHI</u>	<u>(Today's Date)</u>	<u>(Date of Declaration)</u>
<u>NATHAN C. CHRISMAN</u>	<u>(Today's Date)</u>	<u>(Date of Declaration)</u>
<u>ALIASGAR S. MADRASWALA</u>	<u>(Today's Date)</u>	<u>(Date of Declaration)</u>
<u>KEVIN P. FLANAGAN</u>	<u>(Today's Date)</u>	<u>(Date of Declaration)</u>

ASSIGNMENT

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

REZAUL HAQUE; DARSHAK A. UDESHI; KARTHI RAMAMURTHI; NATHAN C. CHRISMAN; ALIASGAR S. MADRASWALA; KEVIN P. FLANAGAN

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 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 entitled:

DATA STORAGE AND PROCESSING ALGORITHM FOR PLACEMENT OF MULTI - LEVEL FLASH CELL (MLC)VT

(I hereby authorize and request my attorney, associated with Customer Number 59796, to insert on the designated lines below, the filing date and application number of said application when known.)

which was filed on _____ as

United States Application Number _____ and

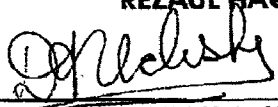
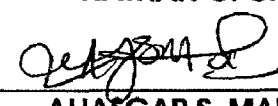
which has been executed by the undersigned prior hereto or concurrently herewith on the date(s) indicated below,

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 applications;

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 design, utility, 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 legal 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 legal 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

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.

Note to each inventor:
On the line below, please enter the date on which you signed the accompanying "Declaration and Power of Attorney":

<u>REZAUL HAQUE</u>	<u>(Today's Date)</u>	<u>(Date of Declaration)</u>
	<u>09/18/07</u>	<u>09/18/07</u>
<u>DARSHAK A. UDESHI</u>	<u>(Today's Date)</u>	<u>(Date of Declaration)</u>
<u>KARTHI RAMAMURTHI</u>	<u>(Today's Date)</u>	<u>(Date of Declaration)</u>
<u>NATHAN C. CHRISMAN</u>	<u>(Today's Date)</u>	<u>(Date of Declaration)</u>
	<u>09/18/2007</u>	<u>09/18/2007</u>
<u>ALIASGAR S. MADRASWALA</u>	<u>(Today's Date)</u>	<u>(Date of Declaration)</u>
<u>KEVIN P. FLANAGAN</u>	<u>(Today's Date)</u>	<u>(Date of Declaration)</u>

ASSIGNMENT

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

REZAUL HAQUE; DARSHAK A. UDESHI; KARTHI RAMAMURTHI; NATHAN C. CHRISMAN; ALIASGAR S. MADRASWALA; KEVIN P. FLANAGAN

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 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 entitled:

DATA STORAGE AND PROCESSING ALGORITHM FOR PLACEMENT OF MULTI - LEVEL FLASH CELL (MLC)VT

(I hereby authorize and request my attorney, associated with Customer Number 59796, to insert on the designated lines below, the filing date and application number of said application when known.)

which was filed on _____ as

United States Application Number _____ and

which has been executed by the undersigned prior hereto or concurrently herewith on the date(s) indicated below,

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 applications;

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 design, utility, 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 legal 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 legal 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


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.

Note to each inventor:

On the line below, please enter the date on which you signed the accompanying "Declaration and Power of Attorney":

REZAUL HAQUE	(Today's Date)	(Date of Declaration)
--------------	----------------	-----------------------

DARSHAK A. UDESHI	(Today's Date)	(Date of Declaration)
-------------------	----------------	-----------------------

 KARTHI RAMAMURTHI	Sep 14 th 2007 (Today's Date)	Sep 14 th 2007 (Date of Declaration)
--	---	--

NATHAN C. CHRISMAN	(Today's Date)	(Date of Declaration)
--------------------	----------------	-----------------------

ALIASGAR S. MADRASWALA	(Today's Date)	(Date of Declaration)
------------------------	----------------	-----------------------

KEVIN P. FLANAGAN	(Today's Date)	(Date of Declaration)
-------------------	----------------	-----------------------

ASSIGNMENT

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

REZAUL HAQUE; DARSHAK A. UDESHI; KARTHI RAMAMURTHI; NATHAN C. CHRISMAN; ALIASGAR S. MADRASWALA; KEVIN P. FLANAGAN

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 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 entitled:

DATA STORAGE AND PROCESSING ALGORITHM FOR PLACEMENT OF MULTI - LEVEL FLASH CELL (MLC)VT

(I hereby authorize and request my attorney, associated with Customer Number 59796, to insert on the designated lines below, the filing date and application number of said application when known.)

which was filed on _____ as

United States Application Number _____ and

which has been executed by the undersigned prior hereto or concurrently herewith on the date(s) indicated below,

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 applications;

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 design, utility, 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 legal 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 legal 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

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.

Note to each inventor:
On the line below, please enter the date on which you signed the accompanying "Declaration and Power of Attorney":

<u>REZAUL HAQUE</u>	<u>(Today's Date)</u>	<u>(Date of Declaration)</u>
<u>DARSHAK A. UDESHI</u>	<u>(Today's Date)</u>	<u>(Date of Declaration)</u>
<u>KARTHI RAMAMURTHI</u>	<u>(Today's Date)</u>	<u>(Date of Declaration)</u>
<u><i>Nathan C. Chrisman</i></u> NATHAN C. CHRISMAN	<u>9-13-2007</u> (Today's Date)	<u>9-13-2007</u> (Date of Declaration)
<u>ALIASGAR S. MADRASWALA</u>	<u>(Today's Date)</u>	<u>(Date of Declaration)</u>
<u>KEVIN P. FLANAGAN</u>	<u>(Today's Date)</u>	<u>(Date of Declaration)</u>

ASSIGNMENT

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

REZAUL HAQUE; DARSHAK A. UDESHI; KARTHI RAMAMURTHI; NATHAN C. CHRISMAN; ALIASGAR S. MADRASWALA; KEVIN P. FLANAGAN

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 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 entitled:

DATA STORAGE AND PROCESSING ALGORITHM FOR PLACEMENT OF MULTI - LEVEL FLASH CELL (MLC)VT

(I hereby authorize and request my attorney, associated with Customer Number 59796, to insert on the designated lines below, the filing date and application number of said application when known.)

which was filed on _____ as

United States Application Number _____ and


which has been executed by the undersigned prior hereto or concurrently herewith on the date(s) indicated below,

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 applications;

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 design, utility, 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 legal 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 legal 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

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.

Note to each inventor:
On the line below, please enter the date on which you signed the accompanying "Declaration and Power of Attorney":

<u>REZAUL HAQUE</u>	<u>(Today's Date)</u>	<u>(Date of Declaration)</u>
<u>DARSHAK A. UDESHI</u>	<u>(Today's Date)</u>	<u>(Date of Declaration)</u>
<u>KARTHI RAMAMURTHI</u>	<u>(Today's Date)</u>	<u>(Date of Declaration)</u>
<u>NATHAN C. CHRISMAN</u>	<u>(Today's Date)</u>	<u>(Date of Declaration)</u>
<u>ALIASGAR S. MADRASWALA</u>	<u>(Today's Date)</u>	<u>(Date of Declaration)</u>
 <u>KEVIN P. FLANAGAN</u>	<u>9/13/07</u> (Today's Date)	<u>9/13/07</u> (Date of Declaration)