

# PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT												
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT												
<b>CONVEYING PARTY DATA</b>													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Jean-Yves Bouguet</td> <td>04/08/2010</td> </tr> <tr> <td>Carole Dulong</td> <td>04/09/2010</td> </tr> <tr> <td>Igor V. Kozintsev</td> <td>03/15/2010</td> </tr> <tr> <td>Yi Wu</td> <td>03/15/2010</td> </tr> <tr> <td>Ara V. Nefian</td> <td>04/05/2010</td> </tr> </tbody> </table>		Name	Execution Date	Jean-Yves Bouguet	04/08/2010	Carole Dulong	04/09/2010	Igor V. Kozintsev	03/15/2010	Yi Wu	03/15/2010	Ara V. Nefian	04/05/2010
Name	Execution Date												
Jean-Yves Bouguet	04/08/2010												
Carole Dulong	04/09/2010												
Igor V. Kozintsev	03/15/2010												
Yi Wu	03/15/2010												
Ara V. Nefian	04/05/2010												
<b>RECEIVING PARTY DATA</b>													
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;"><b>Name:</b></td> <td>Intel Corporation</td> </tr> <tr> <td><b>Street Address:</b></td> <td>2200 Mission College Blvd.</td> </tr> <tr> <td><b>City:</b></td> <td>Santa Clara</td> </tr> <tr> <td><b>State/Country:</b></td> <td>CALIFORNIA</td> </tr> <tr> <td><b>Postal Code:</b></td> <td>95052</td> </tr> </table>		<b>Name:</b>	Intel Corporation	<b>Street Address:</b>	2200 Mission College Blvd.	<b>City:</b>	Santa Clara	<b>State/Country:</b>	CALIFORNIA	<b>Postal Code:</b>	95052		
<b>Name:</b>	Intel Corporation												
<b>Street Address:</b>	2200 Mission College Blvd.												
<b>City:</b>	Santa Clara												
<b>State/Country:</b>	CALIFORNIA												
<b>Postal Code:</b>	95052												
<b>PROPERTY NUMBERS Total: 1</b>													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td><b>Application Number:</b></td> <td>11604114</td> </tr> </tbody> </table>		Property Type	Number	<b>Application Number:</b>	11604114								
Property Type	Number												
<b>Application Number:</b>	11604114												
<b>CORRESPONDENCE DATA</b>													
<p>Fax Number: (612)677-3572</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Email: dchugh@cpaglobal.com</p> <p>Correspondent Name: Grossman Tucker Perreault &amp; Pflieger PLLC</p> <p>Address Line 1: c/o CPA Global</p> <p>Address Line 2: PO Box 52050</p> <p>Address Line 4: Minneapolis, MINNESOTA 55402</p>													
<b>ATTORNEY DOCKET NUMBER:</b>	(P24819) 80107.AA441US1												
<b>NAME OF SUBMITTER:</b>	Divye Chugh												

CH \$40.00 11604114

**501145580**

**PATENT**  
**REEL: 024220 FRAME: 0650**

**Total Attachments: 12**

source=P18419 Executed Assignment#page1.tif  
source=P18419 Executed Assignment#page2.tif  
source=P18419 Executed Assignment#page3.tif  
source=P18419 Executed Assignment#page4.tif  
source=P18419 Executed Assignment#page5.tif  
source=P18419 Executed Assignment#page6.tif  
source=P18419 Executed Assignment#page7.tif  
source=P18419 Executed Assignment#page8.tif  
source=P18419 Executed Assignment#page9.tif  
source=P18419 Executed Assignment#page10.tif  
source=P18419 Executed Assignment#page11.tif  
source=P18419 Executed Assignment#page12.tif

## ASSIGNMENT

WHEREAS, We, Jean-Yves Bouguet, residing at 608 Hiller Street, Belmont, CA 94002, US and Carole Dulong, residing at 14968 Granite Court, Saratoga, CA 95070, US and Igor V. Kozintsev, residing at 5622 Ravenna Ct., San Jose, CA 95118, US and Yi Wu, residing at 6496 Canterbury Ct., San Jose, CA 95129, US and Ara V. Nefian, residing at 580 Arastradero Rd. #606, Palo Alto, CA 94306, US made certain new and useful inventions and improvements for which we filed an application for Letters Patent of the United States on November 22, 2006, which application was assigned U.S. patent application serial number 11/604,114, and is entitled METHODS AND APPARATUS FOR RETRIEVING IMAGES FROM A LARGE COLLECTION OF IMAGES;

AND WHEREAS, Intel Corporation, a corporation organized and existing under and by virtue of the laws of the State of Delaware, and having an office and place of business at 2200 Mission College Blvd., Santa Clara, CA 95052 (hereinafter 'Assignee'), is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefore;

Docket No: P24819  
Serial Number : 11/604,114  
Filing Date : November 22, 2006  
Page 2 of 3

---

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted there from, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted there from; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore, we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_\_ day of \_\_\_\_\_, 2010.

\_\_\_\_\_  
Jean-Yves Bouguet

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_\_ day of \_\_\_\_\_, 2010.

\_\_\_\_\_  
Carole Dulong

IN TESTIMONY WHEREOF, I have hereunto set my hand this 15 day of March, 2010.

Igor V. Kozintsev  
Igor V. Kozintsev

IN TESTIMONY WHEREOF, I have hereunto set my hand this 15 day of March, 2010.

Yi Wu  
Yi Wu

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_\_ day of \_\_\_\_\_, 2010.

\_\_\_\_\_  
Ara V. Nefian

## ASSIGNMENT

WHEREAS, We, Jean-Yves Bouguet, residing at 608 Hiller Street, Belmont, CA 94002, US and Carole Dulong, residing at 14968 Granite Court, Saratoga, CA 95070, US and Igor V. Kozintsev, residing at 5622 Ravenna Ct., San Jose, CA 95118, US and Yi Wu, residing at 6496 Canterbury Ct., San Jose, CA 95129, US and Ara V. Nefian, residing at 580 Arastradero Rd. #606, Palo Alto, CA 94306, US made certain new and useful inventions and improvements for which we filed an application for Letters Patent of the United States on November 22, 2006, which application was assigned U.S. patent application serial number 11/604,114, and is entitled METHODS AND APPARATUS FOR RETRIEVING IMAGES FROM A LARGE COLLECTION OF IMAGES:

AND WHEREAS, Intel Corporation, a corporation organized and existing under and by virtue of the laws of the State of Delaware, and having an office and place of business at 2200 Mission College Blvd., Santa Clara, CA 95052 (hereinafter 'Assignee'), is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefore;

AVN

4355  
Renaissance  
Dr #203  
San Jose, CA  
95134

AVN

Docket No: P24819  
Serial Number : 11/604,114  
Filing Date : November 22, 2006  
Page 2 of 3

---

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted there from, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted there from; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore, we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

Docket No: P24819  
Serial Number : 11/604,114  
Filing Date : November 22, 2006  
Page 3 of 3

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_\_ day of \_\_\_\_\_, 2010.

\_\_\_\_\_  
Jean-Yves Bouguet

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_\_ day of \_\_\_\_\_, 2010.

\_\_\_\_\_  
Carole Dulong

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_\_ day of \_\_\_\_\_, 2010.

\_\_\_\_\_  
Igor V. Kozintsev

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_\_ day of \_\_\_\_\_, 2010.

\_\_\_\_\_  
Yi Wu

IN TESTIMONY WHEREOF, I have hereunto set my hand this 5<sup>th</sup> day of April, 2010.

Ara V. Nefian  
Ara V. Nefian

To: Darcy Kobylarczyk.

ASSIGNMENT

3141 Cowper Street, Palo Alto, CA 94306

WHEREAS, We, Jean-Yves Bouguet, residing at 608 Hiller Street, Belmont, CA 94002, US and Carole Dulong, residing at 14968 Granite Court, Saratoga, CA 95070, US and Igor V. Kozintsev, residing at 5622 Ravenna Ct., San Jose, CA 95118, US and Yi Wu, residing at 6496 Canterbury Ct., San Jose, CA 95129, US and Ara V. Nefian, residing at 580 Arastradero Rd. #606, Palo Alto, CA 94306, US made certain new and useful inventions and improvements for which we filed an application for Letters Patent of the United States on November 22, 2006, which application was assigned U.S. patent application serial number 11/604,114, and is entitled METHODS AND APPARATUS FOR RETRIEVING IMAGES FROM A LARGE COLLECTION OF IMAGES:

AND WHEREAS, Intel Corporation, a corporation organized and existing under and by virtue of the laws of the State of Delaware, and having an office and place of business at 2200 Mission College Blvd., Santa Clara, CA 95052 (hereinafter 'Assignee'), is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefore;

Docket No: P24819  
Serial Number : 11/604,114  
Filing Date : November 22, 2006  
Page 2 of 3

---

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted there from, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted there from; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore, we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

Docket No: P24819  
Serial Number : 11/604,114  
Filing Date : November 22, 2006  
Page 3 of 3

IN TESTIMONY WHEREOF, I have hereunto set my hand this 8 day of April, 2010.

  
\_\_\_\_\_  
Jean-Yves Bouguet

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_\_ day of \_\_\_\_\_, 2010.

\_\_\_\_\_  
Carole Dulong

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_\_ day of \_\_\_\_\_, 2010.

\_\_\_\_\_  
Igor V. Kozintsev

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_\_ day of \_\_\_\_\_, 2010.

\_\_\_\_\_  
Yi Wu

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_\_ day of \_\_\_\_\_, 2010.

\_\_\_\_\_  
Ara V. Nefian

## ASSIGNMENT

WHEREAS, We, Jean-Yves Bouguet, residing at 608 Hiller Street, Belmont, CA 94002, US and Carole Dulong, residing at 14968 Granite Court, Saratoga, CA 95070, US and Igor V. Kozintsev, residing at 5622 Ravenna Ct., San Jose, CA 95118, US and Yi Wu, residing at 6496 Canterbury Ct., San Jose, CA 95129, US and Ara V. Nefian, residing at 580 Arastradero Rd. #606, Palo Alto, CA 94306, US made certain new and useful inventions and improvements for which we filed an application for Letters Patent of the United States on November 22, 2006, which application was assigned U.S. patent application serial number 11/604,114, and is entitled METHODS AND APPARATUS FOR RETRIEVING IMAGES FROM A LARGE COLLECTION OF IMAGES;

AND WHEREAS, Intel Corporation, a corporation organized and existing under and by virtue of the laws of the State of Delaware, and having an office and place of business at 2200 Mission College Blvd., Santa Clara, CA 95052 (hereinafter 'Assignee'), is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefore;

Docket No: P24819  
Serial Number : 11/604,114  
Filing Date : November 22, 2006  
Page 2 of 3

---

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted there from, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted there from; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore, we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

Docket No: P24819  
Serial Number : 11/604,114  
Filing Date : November 22, 2006  
Page 3 of 3

---

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_ day of \_\_\_\_\_, 2010.

---

Jean-Yves Bouguet

IN TESTIMONY WHEREOF, I have hereunto set my hand this 9 day of April, 2010.

Carole Dulong  
Carole Dulong

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_ day of \_\_\_\_\_, 2010.

---

Igor V. Kozintsev

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_ day of \_\_\_\_\_, 2010.

---

Yi Wu

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_ day of \_\_\_\_\_, 2010.

---

Ara V. Nefian