

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>Xiaogang Chen</td> <td>05/25/2013</td> </tr> <tr> <td>Yuan Zhu</td> <td>05/25/2013</td> </tr> <tr> <td>Jong-Kae Fwu</td> <td>06/03/2013</td> </tr> <tr> <td>Kamran Etemad</td> <td>05/23/2013</td> </tr> <tr> <td>Qinghua Li</td> <td>05/28/2013</td> </tr> <tr> <td>Hong He</td> <td>06/03/2013</td> </tr> <tr> <td>Rui Huang</td> <td>06/03/2013</td> </tr> </tbody> </table>		Name	Execution Date	Xiaogang Chen	05/25/2013	Yuan Zhu	05/25/2013	Jong-Kae Fwu	06/03/2013	Kamran Etemad	05/23/2013	Qinghua Li	05/28/2013	Hong He	06/03/2013	Rui Huang	06/03/2013
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Rui Huang	06/03/2013																
RECEIVING PARTY DATA																	
Name:	Intel Corporation																
Street Address:	2200 Mission College Blvd.																
City:	Santa Clara																
State/Country:	CALIFORNIA																
Postal Code:	95054																
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>13784459</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13784459												
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Application Number:	13784459																
CORRESPONDENCE DATA																	
Fax Number:	6126773572																
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																	
Phone:	612-236-9921																
Email:	amorell@cpaglobal.com, inteldocs@cpaglobal.com																
Correspondent Name:	Alycia Morell																
Address Line 1:	CPA Global																
Address Line 2:	PO Box 52050																
Address Line 4:	Minneapolis, MINNESOTA 55402																
ATTORNEY DOCKET NUMBER:	P46892																

CH \$40.00 13784459

NAME OF SUBMITTER:	Alycia Morell
Signature:	/Alycia Morell/
Date:	06/09/2013
Total Attachments: 8 source=P46892_Assignment_All#page1.tif source=P46892_Assignment_All#page2.tif source=P46892_Assignment_All#page3.tif source=P46892_Assignment_All#page4.tif source=P46892_Assignment_All#page5.tif source=P46892_Assignment_All#page6.tif source=P46892_Assignment_All#page7.tif source=P46892_Assignment_All#page8.tif	

ASSIGNMENT

Whereas, We, Xiaogang Chen, residing at Raycom Building A 8F, Ke Xue Yuan Nan Lu 2#, Haidian District, Beijing, 100080 China, and Yuan Zhu, residing at Room 605, Building 16, Mo Li Yuan Bei Yuan Jia Yuan, Chao Yang District, Beijing 100012 China, and Jong-Kae Fwu, residing at 1519 Dominion Ave., Sunnyvale, CA 94087 US, and Kamran Etemad, residing at 10629 Beechknoll Lane, Potomac, MD 20854 US, and Qinghua Li, residing at 5117 Chiltern Lane, San Ramon, CA 94582 US, and Hong He, residing at 8F, Raycom Infotech Park A, No. 2 KeXueYuan South Road, HaiDian District, Beijing, 100190 China, and Rui Huang, residing at 8F, Raycom A, No 2 Kexueyuan South Road, Beijing, 100085 China, made certain new and useful inventions and improvements for which we filed an application for Letters Patent of the United States on March 4, 2013, which application was assigned U.S. patent application serial number 13/784,459, and is entitled DOWNLINK CONTROL INDICATION FOR A STAND-ALONE NEW CARRIER TYPE (NCT);

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 95054 (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;

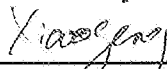
NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the 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

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 25 day of May, 2013.



Xiaogang Chen

IN TESTIMONY WHEREOF, I have hereunto set my hand this 25 day of May, 2013.



Yuan Zhu

IN TESTIMONY WHEREOF, I have hereunto set my hand this 3rd day of June, 2013.



Jong-Kae Fwu

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of _____, 2013.

Kamran Etemad

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of _____, 2013.

Qinghua Li

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of _____, 2013.

Hong He

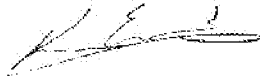
IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of _____, 2013.

Rui Huang

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____,
2013.

Jong-Kae Fwu

IN TESTIMONY WHEREOF, I have hereunto set my hand this __23th day of _May_, 2013.



Kamran Etemad

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____,
2013.

Qinghua Li

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2013.

Hong He

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____,
2013.

Rui Huang

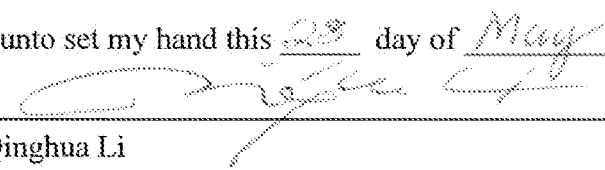
IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2013.

Jong-Kae Fwu

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2013.

Kamran Etemad

IN TESTIMONY WHEREOF, I have hereunto set my hand this 28 day of May, 2013.



Qinghua Li

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2013.

Hong He

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2013.

Rui Huang

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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.

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Jong-Kae Fwu

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2013.

Kamran Etemad

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2013.

Qinghua Li

IN TESTIMONY WHEREOF, I have hereunto set my hand this 03 day of June, 2013.

Hong He

Hong He

IN TESTIMONY WHEREOF, I have hereunto set my hand this 03 day of June, 2013.

Rui Huang

Rui Huang