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Attorney Docket No.: 42P22247

113256 U.S. PTO
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To the Director of the United States Patent and Trademark Office. Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies): <u>Ansheng Liu</u></p> <p>Additional name(s) of conveying party(ies) attached? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes</p>	<p>2. Name and address of receiving party(ies): Name: <u>Intel Corporation</u></p> <p>Internal Address: _____</p>
<p>3. Nature of Conveyance</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other:</p> <p>Execution Date(s): <u>August 4, 2005</u></p>	<p>Street Address: <u>2200 Mission College Blvd.</u></p> <p>City: <u>Santa Clara</u> State/Province: <u>CA</u> Zip: <u>95052</u></p> <p>Country: _____</p> <p>Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>4. Application number(s) or patent number(s) : <u>August 4, 2005</u> If this document is being filed together with a new application, the execution date of the application is: <u>August 4, 2005</u></p> <p>A. Patent Application No.(s) _____ B. Patent No.(s) _____</p> <p>Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	
<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: <u>Blakely, Sokoloff, Taylor & Zafman LLP</u></p> <p>Internal Address: <u>James Y. Go</u></p> <p>Street Address: <u>12400 Wilshire Boulevard, 7th Floor</u> <u>Los Angeles, California 90025</u></p>	<p>6. Total number of applications and patents involved: <input type="text" value="1"/></p> <p>7. Total Fee (37 CFR 3.41).....\$ <u>40</u> <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account</p> <p>8. Deposit Account Number: <u>02-2666</u></p> <p>(Attach duplicate copy of this page if paying by deposit account)</p>
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<p>9. Statement and signature. <i>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.</i></p> <p><u>James Y. Go, Reg. No. 40,621</u> _____ <u>8-4-05</u> Signature Date</p> <p>Total number of pages including cover sheet, attachments, and documents: <input type="text" value="3"/></p>	

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Attorney's Docket

ASSIGNMENT

PATENT

No.: 42P22247 (For Execution Prior To Filing Patent Application)

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, I _____, the undersigned, Ansheng Liu 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 METHOD AND APPARATUS FOR PHASE SHIFTING AN OPTICAL BEAM IN AN OPTICAL DEVICE, 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:

08/04, 2005 [Signature]
 Date Name: Ansheng Liu

_____, 20____ _____
 Date Name:

_____, 20____ _____
 Date Name:

_____, 20____ _____
 Date Name:

_____, 20____ _____
 Date Name:

_____, 20____ _____
 Date Name:

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

08/04, 2005
 Date

_____, 20____
 Date

_____, 20____
 Date

_____, 20____
 Date

_____, 20____
 Date

_____, 20____
 Date

State of: _____ }
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Assignment Document Return Address:
 SS. 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