

**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>	
<b>Name</b>	<b>Execution Date</b>
Weirong Zhu	06/10/2011
Amit Kumar Agarwal	06/10/2011
Lingli Zhang	06/10/2011
Yosseff Levanoni	06/10/2011
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<b>State/Country:</b>	WASHINGTON
<b>Postal Code:</b>	98052
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	13158966
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<b>NAME OF SUBMITTER:</b>	Rick D. Nydegger
Total Attachments: 5	

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**PATENT  
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PATENT ASSIGNMENT

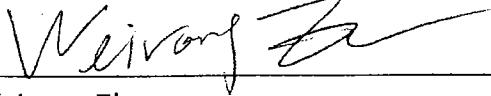
I/WE, Weirong Zhu, Amit Kumar Agarwal, Lingli Zhang and Yosseff Levanoni ("ASSIGNOR"), have invented subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "OPTIMIZING EXECUTION OF KERNELS" ("APPLICATION"), which:

- will be filed without this executed PATENT ASSIGNMENT. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representatives, of Workman Nydegger, 1000 Eagle Gate Tower, 60 East South Temple, Salt Lake City, UT 84111, who are associated with customer number 47973, to insert here in parenthesis (U.S. Serial No. 13/158,966, filed June 13, 2011) this APPLICATION's U.S. Serial Number and filing date, when known;
- was filed on \_\_\_\_\_ and was given Application No. \_\_\_\_\_;
- is filed concurrently herewith;

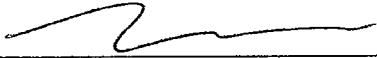
Microsoft Corporation, a Washington Corporation, on behalf of itself and its successors and assigns ("ASSIGNEE"), is entitled to, and is desirous of acquiring, the entire and exclusive rights, title and interest in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES"));

For good and valuable consideration, the receipt of which is hereby acknowledged by the ASSIGNOR, the ASSIGNOR hereby sells, assigns and transfers to the ASSIGNEE, the entire and exclusive rights, title and interest in the INVENTION and the APPLICATION (and APPLICATION DERIVATIVES);

ASSIGNOR agrees to execute all instruments and documents required for the making and prosecution of the APPLICATION (and APPLICATION DERIVATIVES), for litigation regarding letters patent derived therefrom, and for the purpose of protecting and perfecting title to the APPLICATION (and APPLICATION DERIVATIVES).

 _____	06 / 10 / 2011 _____
Weirong Zhu	Date
<u>WEIRONG ZHU</u> _____	<u>朱伟荣</u> _____
Printed Name in English	Printed Name in Native Language (if other than English)

<u>Amit Kumar Agarwal</u> Amit Kumar Agarwal	<u>06/10/2011</u> Date
<u>AMIT KUMAR AGARWAL</u> Printed Name in English	<u>अमित कुमार अग्रवाल</u> Printed Name in Native Language (if other than English)

 _____	<u>6/10/2011</u> _____
Lingli Zhang	Date
<u>LINGLI ZHANG</u> _____	<u>张玲莉</u> _____
Printed Name in English	Printed Name in Native Language (if other than English)

