

PATENT ASSIGNMENT

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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>Zhengdong Zhang</td> <td>10/30/2011</td> </tr> <tr> <td>Yasuyuki Matsushita</td> <td>10/31/2011</td> </tr> <tr> <td>Yi Ma</td> <td>10/30/2011</td> </tr> </tbody> </table>		Name	Execution Date	Zhengdong Zhang	10/30/2011	Yasuyuki Matsushita	10/31/2011	Yi Ma	10/30/2011
Name	Execution Date								
Zhengdong Zhang	10/30/2011								
Yasuyuki Matsushita	10/31/2011								
Yi Ma	10/30/2011								
RECEIVING PARTY DATA									
Name:	Microsoft Corporation								
Street Address:	One Microsoft Way								
City:	Redmond								
State/Country:	WASHINGTON								
Postal Code:	98052								
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>13310729</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13310729				
Property Type	Number								
Application Number:	13310729								
CORRESPONDENCE DATA									
Fax Number:	(425)936-7329								
Phone:	425-707-9382								
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Address Line 4:	Redmond, WASHINGTON 98052								
ATTORNEY DOCKET NUMBER:	333143.01								
NAME OF SUBMITTER:	Amandeep Kaur								
Total Attachments: 2 source=333143-01_Executed-Assignment#page1.tif source=333143-01_Executed-Assignment#page2.tif									

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PATENT ASSIGNMENT

MS Docket No.: 333143.01

I/WE, Zhengdong Zhang, Yasuyuki Matsushita, and Yi Ma, ("ASSIGNOR"), have invented subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "CAMERA CALIBRATION WITH LENS DISTORTION FROM LOW-RANK TEXTURES", which:

- ☒ will be filed without this executed PATENT ASSIGNMENT. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representatives, of the Law and Corporate Affairs Department, Microsoft Corporation, One Microsoft Way, Redmond, Washington 98052, who are associated with customer number 69316, to insert here in parenthesis (Application No. 13/310729, filed 03-DEC-2011) this APPLICATION's Application No. 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"));

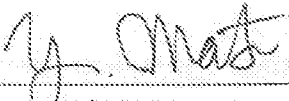
For good and valuable consideration, the receipt of which is hereby acknowledged by the ASSIGNOR, the ASSIGNOR hereby sells, assigns and transfers to the ASSIGNEE, the entire and exclusive rights, title and interest in the INVENTION and the APPLICATION (and APPLICATION DERIVATIVES);


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).

<u>张峰东</u>	<u>Oct. 30, 2011</u>
Inventor's Signature	Date
<u>Zhengdong Zhang</u>	<u>张峰东</u>
Printed Name in English	Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT

MS Docket No.: 333143.01

	<u>Oct. 31, 2011</u>
Inventor's Signature	Date
<u>Yasuyuki Matsushita</u>	<u>松下康之</u>
Printed Name in English	Printed Name in Native Language (if other than English)

	<u>Oct. 30, 2011</u>
Inventor's Signature	Date
<u>Yi Ma</u>	<u>马毅</u>
Printed Name in English	Printed Name in Native Language (if other than English)