

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>Frank Torsten Bernd Seide</td> <td>11/06/2012</td> </tr> <tr> <td>Gang Li</td> <td>11/06/2012</td> </tr> <tr> <td>Dong Yu</td> <td>11/05/2012</td> </tr> <tr> <td>Adam C. Eversole</td> <td>11/15/2012</td> </tr> <tr> <td>Xie Chen</td> <td>11/09/2012</td> </tr> </tbody> </table>		Name	Execution Date	Frank Torsten Bernd Seide	11/06/2012	Gang Li	11/06/2012	Dong Yu	11/05/2012	Adam C. Eversole	11/15/2012	Xie Chen	11/09/2012
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<table border="1"> <tr> <td>Name:</td> <td>Microsoft Corporation</td> </tr> <tr> <td>Street Address:</td> <td>One Microsoft Way</td> </tr> <tr> <td>City:</td> <td>Redmond</td> </tr> <tr> <td>State/Country:</td> <td>WA</td> </tr> <tr> <td>Postal Code:</td> <td>98052-6399</td> </tr> </table>		Name:	Microsoft Corporation	Street Address:	One Microsoft Way	City:	Redmond	State/Country:	WA	Postal Code:	98052-6399		
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PROPERTY NUMBERS Total: 1													
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CORRESPONDENCE DATA													
<p>Fax Number: 5099444692 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 509-324-9256 Email: marianne@leehayes.com Correspondent Name: Lee & Hayes, PLLC Address Line 1: 601 W. Riverside Ave, Suite 1400 Address Line 4: Spokane, WASHINGTON 99201</p>													
ATTORNEY DOCKET NUMBER:	MS1-5329US												
NAME OF SUBMITTER:	Marianne Wintermute												
Total Attachments: 10													

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I Frank Torsten Bernd Seide (“ASSIGNOR”) am the original inventor or an original joint inventor of subject matter (“INVENTION”) disclosed and/or claimed in a patent application entitled

DEEP NEURAL NETWORKS TRAINING FOR SPEECH AND PATTERN RECOGNITION

(“APPLICATION”), which:

- ☒ will be filed. ASSIGNOR hereby authorizes, and requests, ASSIGNEE’S legal representatives, of the Law and Corporate Affairs Department, Microsoft Corporation, One Microsoft Way, Redmond, Washington 98052 (ASSIGNEE’S LEGAL REPRESENTATIVES), to insert here in parentheses (filed on November 20, 2012 and given Application No. 13/682,372 by the following Office US – United States Patent and Trademark Office) this APPLICATION’s Application No., filing date, and Office, when known;
- ☐ was filed on _____ and was given Application No _____ by the following Office “US – United States Patent and Trademark Office”;

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”));

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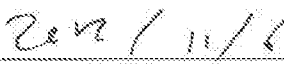
Application No.	Filing Date	Office

PATENT ASSIGNMENT MS Docket No.: 336983.01

Attorney Docket No.: MS1-5329US

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, ASSIGNOR's 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).

	
Inventor's Signature	Date
Frank Torsten Bernd Seide	
Printed Name in English	Printed Name in Native Language (if other than English)

I Gang Li (“ASSIGNOR”) am the original inventor or an original joint inventor of subject matter (“INVENTION”) disclosed and/or claimed in a patent application entitled

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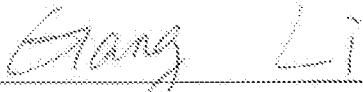
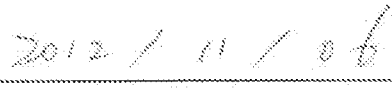

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Inventor's Signature	Date
Gang Li	
Printed Name in English	Printed Name in Native Language (if other than English)

I Dong Yu (“ASSIGNOR”) am the original inventor or an original joint inventor of subject matter (“INVENTION”) disclosed and/or claimed in a patent application entitled

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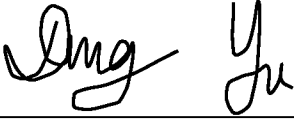

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_____ Inventor's Signature	_____ Date
Dong Yu	俞 栋
_____ Printed Name in English	_____ Printed Name in Native Language (if other than English)

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Attorney Docket No.: MS1- 5329US

I Adam C. Eversole ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled

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<u>Adam Eversole</u>	<u>11/15/2012</u>
Inventor's Signature	Date
<u>Adam C. Eversole</u>	<u></u>
Printed Name in English	Printed Name in Native Language (if other than English)

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Attorney Docket No.: MS1- 5329US

I, Xie Chen ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled

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<u>Xie chen</u>	<u>11/09/2012</u>
Inventor's Signature	Date
<u>Xie Chen</u>	<u>陈 谐</u>
Printed Name in English	Printed Name in Native Language (if other than English)