

# PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
Name	Execution Date
Dong Yu	09/17/2010
Li Deng	09/15/2010
Abdel-rahman Samir Abdel-rahman Mohamed	09/15/2010
<b>RECEIVING PARTY DATA</b>	
Name:	Microsoft Corporation
Street Address:	One Microsoft Way
City:	Redmond
State/Country:	WASHINGTON
Postal Code:	98052
<b>PROPERTY NUMBERS Total: 1</b>	
Property Type	Number
Application Number:	12886568
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Address Line 4:	Redmond, WASHINGTON 98052
ATTORNEY DOCKET NUMBER:	330602.01
NAME OF SUBMITTER:	Jyoti Adlakha
Total Attachments: 4 source=330602-Executed-Assignment#page1.tif source=330602-Executed-Assignment#page2.tif source=330602-Executed-Assignment#page3.tif source=330602-Executed-Assignment#page4.tif	

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**PATENT**  
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MS Docket No.: 330602.01

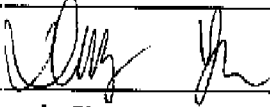
I/WE, Dong Yu, Li Deng and Abdel-rahman Samir Abdel-rahman Mohamed ("ASSIGNOR"), have invented subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled " FULL-SEQUENCE TRAINING OF DEEP STRUCTURES FOR SPEECH RECOGNITION" ("APPLICATION"), which:

- ☒ 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. 12/886568, filed 09/21/2010) 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"));

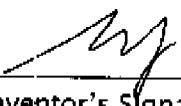
For good and valuable consideration, the receipt of which is hereby acknowledged by the ASSIGNOR, the ASSIGNOR hereby sells, assigns and transfers to the ASSIGNEE, the entire and exclusive rights, title and interest in the INVENTION and the APPLICATION (and APPLICATION DERIVATIVES);

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).

 _____ Inventor's Signature	<u>9/17/2010</u> _____ Date
<u>Dong Yu</u> _____ Printed Name in English	_____ Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT

MS Docket No.: 330602.01

 _____ Inventor's Signature	<u>9/15/2010</u> _____ Date
<u>Li Deng</u> _____ Printed Name in English	_____ Printed Name in Native Language (if other than English)

_____ Inventor's Signature	_____ Date
<u>Abdel-rahman Samir Abdel-rahman Mohamed</u> _____ Printed Name in English	_____ Printed Name in Native Language (if other than English)

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

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MS Docket No.: 330602.01

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

Inventor's Signature <i>Abdel-rahman Samir</i> Abdel-rahman Samir Abdel-rahman Mohamed	Date 15 Sep. 2010 <i>عبدالرحمن سامير عبد الرحمن محمد</i>
Printed Name in English	Printed Name in Native Language (if other than English)