

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Li Deng	09/02/2005
Zhengyou Zhang	09/02/2005
Zicheng Liu	09/02/2005
Amarnag Subramanya	09/16/2005
RECEIVING PARTY DATA	
Name:	Microsoft Corporation
Street Address:	One Microsoft Way
City:	Redmond
State/Country:	WASHINGTON
Postal Code:	98052
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	11228710
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NAME OF SUBMITTER:	Sara Wiemerslage
Total Attachments: 5 source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif	

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**PATENT
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PATENT
REEL: 016613 FRAME: 0686

PATENT ASSIGNMENT

We, Li Deng, Zhengyou Zhang, Zicheng Liu and Amarnag Subramanya (each "ASSIGNOR"), have invented subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "MULTI-SENSORY SPEECH ENHANCEMENT USING SYNTHESIZED SENSOR SIGNAL" ("APPLICATION"), which:

- will be filed without this executed PATENT ASSIGNMENT. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representatives, of Westman Champlin & Kelly P.A., 900 Second Ave. S., Suite 1400, Minneapolis, MN 55402-3319, who are associated with customer number 27366, to insert here in parenthesis (U.S. Serial No. 11/228,710, filed September 16, 2005) this APPLICATION's U.S. Serial Number and filing date, when known;
- was filed on and was given U.S. Serial No.;
- is filed concurrently herewith;

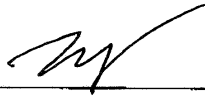
Microsoft Corporation, a Washington Corporation, on behalf of itself and its successors and assigns ("ASSIGNEE"), is entitled to, and is desirous of acquiring, the entire and exclusive rights, title and interest in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, 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).

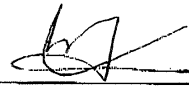
MS Docket No. 313649.02
(OC Docket No. M61.12-0997)

9/2/2005
DATE


Li Deng

MS Docket No. 313649.02
(OC Docket No. M61.12-0997)

9-2-2005
DATE



Zhengyou Zhang

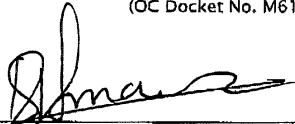
MS Docket No. 313649.02
(OC Docket No. M61.12-0997)

09/02/2005
DATE

Zicheng Liu
Zicheng Liu

MS Docket No. 313649.02
(OC Docket No. M61.12-0997)

09/16/2005
DATE


Amarnag Subramanya