

**PATENT ASSIGNMENT**

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Frank Kao-Ping K. Soong	08/21/2006
Jian-Lai Zhou	08/21/2006
Peng Liu	08/21/2006
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<b>City:</b>	Redmond
<b>State/Country:</b>	WASHINGTON
<b>Postal Code:</b>	98052
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	11507859
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<b>ATTORNEY DOCKET NUMBER:</b>	M61.12-1147
<b>NAME OF SUBMITTER:</b>	Steven M. Koehler
<b>Total Attachments: 1</b> source=Assignment#page1.tif	

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(OC Docket No. M61.12-1147)

**PATENT ASSIGNMENT**

We, Frank Kao-Ping K. Soong, Jian-Lai Zhou and Peng Liu (each "ASSIGNOR"), have invented subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "CALCULATING COST MEASURES BETWEEN HMM ACOUSTIC MODELS" ("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. 11/507,859, filed August 22, 2006) 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).

Aug/21/2006  
DATE

Frank Kao-Ping K. Soong  
Frank Kao-Ping K. Soong

Aug/21/2006  
DATE

Jianlai Zhou  
Jian-Lai Zhou

Aug/21/2006  
DATE

Peng Liu  
Peng Liu