#### PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date	
Fan Ping Meng	10/28/2009	
Yong Qin	10/28/2009	
Zhi Wei Shuang	10/28/2009	
Shi Lei Zhang	10/28/2009	

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## PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	12609647	

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Total Attachments: 5

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> PATENT REEL: 023451 FRAME: 0290

#### **ASSIGNMENT**

Whereas, the undersigned Inventor(s) has/have made certain inventions, improvements, and discoveries (herein referred to as the "Invention") in:

Title of the Invention:	SPEECH TRANSLATION METHOD AND APPARATUS
	BM Docket Number provided above in the header of this Assignment, for ited States Patent was executed concurrently herewith or was filed having:
Serial Number:	(insert series code and serial number here if/when available
business at Armonk, New Yor	ess Machines Corporation, a corporation of New York having a place of the characteristic

in and to any and all patent applications and patents directed thereto;

Now, therefore, for good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, each undersigned Inventor ("ASSIGNOR") hereby sells, assigns, and otherwise transfers to IBM (the "ASSIGNEE"), its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the Invention, the above-identified United States patent application, and any and all other patent applications and patents for the Invention which may be applied for or granted therefor in the United States and in all foreign countries and jurisdictions, including all divisions, continuations, reissues, reexaminations, renewals, extensions, counterparts, substitutes, and extensions thereof, and all rights of priority resulting from the filing of such applications and granting of such patents. In addition, each undersigned Inventor hereby authorizes and requests the Director of the United States Patent and Trademark Office to issue any United States Patent, and foreign patent authorities to issue any foreign patent, granted for the Invention, to IBM, its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the same to be held and enjoyed by IBM, its successors, legal representatives, and assigns to the full end of the terms for which any and all such patents may be granted, as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made; and each undersigned Inventor agrees to execute any and all documents and instruments and perform all lawful acts reasonably related to recording this Assignment or perfecting title to the Invention and all related patents and applications, in IBM, its successors, legal representatives,

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and assigns, whenever requested by IBM, its successors, legal representatives, or assigns.

[Inventor Signature Pages Follow]

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# Signature: Fan Ving Meng Date: 2009, 10.28. (Fan Ping Meng)

Executed by Inventor 1 of 4

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Signature:	(Yong Qin)	Youg	Date:	7009/10/28

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Executed by I	Inventor 3 of 4			
Signature: Shuarf Zhow (Zhi Wei Shuang)	Date: _	200	7.10.28	

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		Executed by I	nventor 4 of 4		
Signature:	Shilei (Shi Lei Zhang)	zhanf	Date:	2019.10.28	

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