

## 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>Charles W. Cross Jr.</td> <td>06/01/2006</td> </tr> <tr> <td>Frank L. Jania</td> <td>06/05/2006</td> </tr> </tbody> </table>		Name	Execution Date	Charles W. Cross Jr.	06/01/2006	Frank L. Jania	06/05/2006				
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Charles W. Cross Jr.	06/01/2006										
Frank L. Jania	06/05/2006										
RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>International Business Machines Corporation</td> </tr> <tr> <td>Street Address:</td> <td>New Orchard Road</td> </tr> <tr> <td>City:</td> <td>Armonk</td> </tr> <tr> <td>State/Country:</td> <td>NEW YORK</td> </tr> <tr> <td>Postal Code:</td> <td>10504</td> </tr> </table>		Name:	International Business Machines Corporation	Street Address:	New Orchard Road	City:	Armonk	State/Country:	NEW YORK	Postal Code:	10504
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PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13614886</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13614886						
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CORRESPONDENCE DATA											
<p>Fax Number: 6176468646  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 617-646-8000        Email: Scott.Whittemore@WolfGreenfield.com        Correspondent Name: Elisabeth H. Hunt        Address Line 1: Wolf, Greenfield &amp; Sacks, P.C.        Address Line 2: 600 Atlantic Avenue        Address Line 4: Boston, MASSACHUSETTS 02210-2206</p>											
ATTORNEY DOCKET NUMBER:	N0484.70511US01										
NAME OF SUBMITTER:	Scott R. Whittemore										
<p>Total Attachments: 2        source=N0484.70511US00 - Assignment Invs. to IBM #page1.tif        source=N0484.70511US00 - Assignment Invs. to IBM #page2.tif</p>											

OP \$40.00 13614886

## ASSIGNMENT

Whereas, we,

(1) **CHARLES W. CROSS, JR.**  
County of PALM BEACH

of WELLINGTON  
and State of FLORIDA

(2) **FRANK L. JANIA**  
County of ORANGE

of CHAPEL HILL  
and State of NORTH CAROLINA

have invented certain improvements in

### CONTEXT-BASED GRAMMARS FOR AUTOMATED SPEECH RECOGNITION

and executed, respectively, a United States patent application therefore on

(Dates Inventors Signed Declaration) (1) \_\_\_\_\_, (2006); (2) \_\_\_\_\_, (2006).

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefore;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we, the above named, hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in said application to IBM, its successors and assigns; and we hereby agree that IBM may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

(1) Signed at Boca Raton, FL on June 1, 2006.  
(City) (Date)

Charles W. Cross Jr.  
CHARLES W. CROSS, JR.

(2) Signed at \_\_\_\_\_ on \_\_\_\_\_, 2006.  
(City) (Date)

\_\_\_\_\_  
FRANK L. JANIA

**ASSIGNMENT**

Whereas, we,

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Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefore;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we, the above named, hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in said application to IBM, its successors and assigns; and we hereby agree that IBM may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

(1) Signed at \_\_\_\_\_ on \_\_\_\_\_, 2006.  
(City) (Date)

\_\_\_\_\_  
CHARLES W. CROSS, JR.

(2) Signed at Chapel Hill on 5<sup>TH</sup> JUNE, 2006.  
(City) (Date)

\_\_\_\_\_  
FRANK L. JANIA