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U.S. DEPARTMENT OF COMMERCE  
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SHEET

To the Honorable Commissioner of P.

100903201

attached original documents or copy thereof

## 1. Name of conveying party(ies):

Paul S. Cohen, Srinivasa P. Rao,  
Robert T. WardAdditional name(s) of conveying party(ies)  
attached? ☐ Yes ☒ No

## 3. Nature of conveyance:

☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_Execution Date: November 6, 9, 1998

## 2. Name and address of receiving party(ies):

Name: International Business Machines Corporation  
Armonk, New York 10504Additional name(s) & address(es) attached:  
☐ Yes ☒ No

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: November 6, 9, 1998

A. Patent Application No.(s)

09190974

B. Patent No.(s)

408

Additional numbers attached? ☐ Yes ☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Frank Chau, Esq.Street Address: F. CHAU & ASSOCIATES, LLP  
1900 Hempstead Turnpike, Suite 501City: East Meadow State: NY Zip: 115546. Total number of applications and patents involved: 17. Total fee (37 C.F.R. §3.41): \$40.00  
☐ Enclosed  
☒ Authorized to be charged to deposit account

## 8. Deposit account number:

50-0510/IBM (Yorktown Heights)

(Attach duplicate copy of this page if paying by deposit account)

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## 9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

James J. Bitetto

Registration No. 40,513

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments and documents: 3

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Washington, D.C. 20231

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11/19/1998 SBURNS 00000078 500510 09190974

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PATENT  
REEL: 9585 FRAME: 0422

# Assignment

Whereas, we

Inventor  
and City

(1) **Paul S. Cohen**  
County of **Westchester**

of **Yorktown Heights**  
and State of **New York**

and (2) **Srinivasa P. Rao**  
County of **Nassau**

of **Jericho**  
and State of **New York**

and (3) **Robert T. Ward**  
County of **Westchester**

of **Croton-on-Hudson**  
and State of **New York**

and (4)  
County of

of  
and State of

and (5)  
County of

of  
and State of

and (6)  
County of

of  
and State of


have invented certain improvements in

**TITLE: DISABLING AND ENABLING OF SUBVOCABULARIES IN SPEECH  
RECOGNITION SYSTEMS**

and executed, respectively, a United States patent application therefor on  
DATES THAT (1) *Nov. 6*, 1998 and (2) *November 9*, 1998 and (3) *Nov. 6*, 1998  
INVENTORS (4) 1998, and (5) 1996, and (6) 1998.  
SIGNED THE  
DECLARATION

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 therefor;

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 inventions 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.

Signed and sealed  
CITY (1) at *Yorktown Heights*  SIGNATURE  
DATE on *Nov. 6*, 1998, (Paul S. Cohen) INVENTOR  
FIRST NAME MIDDLE INITIAL LAST NAME

Signed and sealed  
CITY and (2) at *Yorktown Hgts, N.Y.*  SIGNATURE  
DATE on *November 9*, 1998, (Srinivasa P. Rao) INVENTOR  
FIRST NAME MIDDLE INITIAL LAST NAME

Signed and sealed  
CITY and (3) at *Yorktown Heights*  SIGNATURE  
DATE on *Nov. 6*, 1998, (Robert T. Ward) INVENTOR  
FIRST NAME MIDDLE INITIAL LAST NAME

Signed and sealed  
CITY and (4) at \_\_\_\_\_ SIGNATURE  
DATE on 1998, ( ) INVENTOR  
FIRST NAME MIDDLE INITIAL LAST NAME

Signed and sealed  
CITY and (5) at \_\_\_\_\_ SIGNATURE  
DATE on 1998, ( ) INVENTOR  
FIRST NAME MIDDLE INITIAL LAST NAME

Signed and sealed  
CITY and (6) at \_\_\_\_\_ SIGNATURE  
DATE on 1998, ( ) INVENTOR  
FIRST NAME MIDDLE INITIAL LAST NAME

State of New York ) SS.:  
 County of Westchester )

INVENTOR  
 (1)

On this 6<sup>th</sup> day of November 1998, before me personally came  
**Paul S. Cohen** to me personally know, and known to me to be the  
 person described in and who executed the foregoing assignment, and he acknowledged  
 to me that he executed the same as his free act and deed.

Emily S. Forbes  
 EMILY S. FORBES  
 Notary Public, State of New York  
 No. 01F04935185  
 Qualified in Westchester County  
 Commission Expires July 25, 2000

State of New York ) SS.:  
 County of Westchester )

INVENTOR  
 (2)

On this 9<sup>th</sup> day of November 1998, before me personally came  
**Srinivasa P. Rao** to me personally know, and known to me to be the  
 person described in and who executed the foregoing assignment, and he acknowledged  
 to me that he executed the same as his free act and deed.

Barbara Raza  
 BARBARA RAZA  
 Notary Public, State of New York  
 No. 4973785  
 In Westchester & Dutchess Counties  
 Commission Expires October 29, 2000

State of New York ) SS.:  
 County of Westchester )

INVENTOR  
 (3)

On this 6<sup>th</sup> day of November 1998, before me personally came  
**Robert T. Ward** to me personally know, and known to me to be the  
 person described in and who executed the foregoing assignment, and he acknowledged  
 to me that he executed the same as his free act and deed.

Emily S. Forbes  
 EMILY S. FORBES  
 Notary Public, State of New York  
 No. 01F04935185  
 Qualified in Westchester County  
 Commission Expires July 25, 2000

State of ) SS.:  
 County of )

INVENTOR  
 (4)

On this \_\_\_\_\_ day of \_\_\_\_\_ 1998, before me personally came  
 \_\_\_\_\_ to me personally know, and known to me to be the  
 person described in and who executed the foregoing assignment, and he acknowledged  
 to me that he executed the same as his free act and deed.

Notary

State of ) SS.:  
 County of )

INVENTOR  
 (5)

On this \_\_\_\_\_ day of \_\_\_\_\_ 1998, before me personally came  
 \_\_\_\_\_ to me personally know, and known to me to be the  
 person described in and who executed the foregoing assignment, and he acknowledged  
 to me that he executed the same as his free act and deed.

Notary

State of ) SS.:  
 County of )

INVENTOR  
 (6)

On this \_\_\_\_\_ day of \_\_\_\_\_ 1998, before me personally came  
 \_\_\_\_\_ to me personally know, and known to me to be the  
 person described in and who executed the foregoing assignment, and he acknowledged  
 to me that he executed the same as his free act and deed.

Notary