

09-21-2001



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SHEET

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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):  
**Ghislain Imbert de Tremiolles**  
**Pascal Tannhof**

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

Name: **International Business Machines Corporation**

Internal Address:

Additional names(s) of conveying party(ies)  Yes  No

3. Nature of conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other

Street Address: **New Orchard Road**

City: **Armonk** State: **NY** ZIP: **10504**

Execution Date: **09/03/01 & 09/06/01.**

Additional name(s) & address(es) attached?  Yes  No

4. Application number(s) or registration numbers(s):

If this document is being filed together with a new application, the execution date of the application is: **09/03/01 & 09/06/01.**

A. Patent Application No.(s)

B. Patent No.(s)

09951786

Additional numbers attached?  Yes  No

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

Name: **John R. Pivnichny, Reg. No: 43,001**

Internal Address:

Street Address: **IBM Corporation, N50/040-4,**

**1701 North Street**

City: **Endicott** State: **NY** ZIP: **13760**

6. Total number of applications and patents involved: **1**

7. Total fee (37 CFR 3.41):.....\$ **40.00**

Enclosed - Any excess or insufficiency should be credited or debited to deposit account

Authorized to be charged to deposit account

8. Deposit account number:

**09-0457**

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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.

**John R. Pivnichny, Reg. No: 43,001**

*John Pivnichny*  
Signature

**09/11/01**  
Date

Name of Person Signing

**3**

Total number of pages including cover sheet, attachments, and document:

**PATENT**

## ASSIGNMENT

Whereas, We

- (1) Ghislain Imbert de Tremiolles  
City of Saint Paul Country of France
- (2) Pascal Tannhof  
City of Fontainebleau Country of France

have invented certain improvements in

Method and Circuits for Associating a Complex Operator to Each Component of an Input Pattern Presented to an Artificial Neural Network

and have executed a United States patent application therefor on

- (1) Sept. 3, 2001 and (2) sept. 6, 2001.

And 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, I 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 I 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 I hereby agree that IBM may apply for foreign Letters Patent on said invention and I will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

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(1) Signed at La Garenne, France

on Sept. 3, 2001

Ghislain Imbert de Tremiolles

(Ghislain Imbert de Tremiolles)

(2) Signed at Corbeil Essonnes France

on Sept 6, 2001

Pascal Tannhof

(Pascal Tannhof)

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