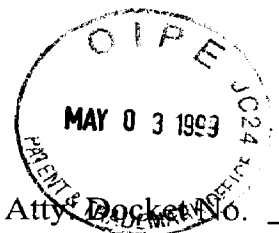


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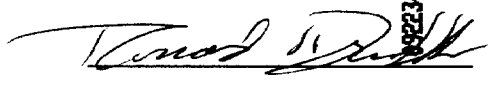
RECORDATION FORM COVER SHEET  
PATENTS ONLY

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

<p>1. Name of conveying party(ies): Ghislain Imbert De Tremiolles &amp; Pascal Tannhof</p> <p>Additional name(s) of conveying party(ies) attached? ___ Yes <u>X</u> No</p>	<p>2. Name and address of receiving party(ies):</p> <p>Name: International Business Machines Corporation Address: Armonk, NY 10504</p>
<p>3. Nature of conveyance: <u>X</u> Assignment</p> <p>Execution Date(s): <u>4/23/99</u></p>	<p>4. Patent Application number(s) Serial No. Filed: December 30, 1998 Execution Date(s): 4/23/99</p>
<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: Ronald L. Drumheller, Esq. Address: 94 Teakettle Spout Road Mahopac, New York 10541</p>	<p>6. Total number of applications involved: 1</p> <p>7. Total fee (37 CFR 3.41): \$40.00 <u>X</u> Charge to Deposit Account No.: <u>04-1677</u></p>

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8. 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 original document.

Ronald L. Drumheller (Reg. No. 25,674)  4/29/99

Name of Person Signing Signature Date

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents and Trademarks  
Box Assignments  
Washton, DC 20231

05/05/1999 SARRAYA 00000076 041677 40.00 CH  
PATENT

(IBM docket **FR97L020**)

### Assignment

Whereas, we

Inventor  
and City

(1) Ghislain **IMBERT DE TREMOLLES**

of Paris, France

and (2) Pascal **TANNHOF**

of Coly En Siere, France

have invented certain improvements in

**CIRCUITS AND METHOD FOR SHAPING THE INFLUENCE FIELD OF NEURONS AND NEURAL NETWORKS RESULTING THEREFROM**

DATE THAT  
INVENTORS  
SIGNED THE  
DECLARATION

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

(1) **04/23/1999** and (2) **04/23/1999**

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**.

CITY AND  
DATE

Signed and sealed  
(1) at **COGNAC**

on **04/23/1999**

*G. Imbert*  
\_\_\_\_\_  
(Ghislain IMBERT DE TREMOLLES)  
FIRST NAME MIDDLE INITIAL LAST NAME

SIGNATURE  
INVENTOR

CITY AND  
DATE

(2) at  
on

*P. Tannhof*  
\_\_\_\_\_  
(Pascal TANNHOF)  
FIRST NAME MIDDLE INITIAL LAST NAME

SIGNATURE  
INVENTOR

State of ) ss.:  
Country of )

INVENTOR  
(1)

On this **23<sup>rd</sup>** day of **April** 1999, before me personally came **Ghislain IMBERT DE TREMOLLES** to me personally known, 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.:  
Country of )

INVENTOR  
(2)

On this **23<sup>rd</sup>** day of **April** 1999, before me personally came **Pascal TANNHOF** to me personally known, 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