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DEPARTMENT OF COMMERCE
Patent and Trademark Office

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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):

CLAUDIA V. KROPAS-HUGHES
MARK E. OXLEYAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date(s): 10/28/99 and 10/29/99

- ☒ This instrument should be recorded on the government-
 tal register in accordance with 37 CFR 7.1(e)(1)

2. Name and address of receiving party(ies)

Name: United States Air Force

Internal Address: AFMC LO/JAZ, Bldg 11, Rm 100

Street Address: 2240 B Street

City: Wright-Patterson AFB

State: Ohio ZIP: 45433-7109

Additional 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: _____

A. Patent Application No.(s)

09/434,549

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Thomas L. Kundert

Internal Address: AFMC LO/JAZ

Bldg 11, Room 100

Street Address: 2240 B Street

City: Wright-Patterson AFB

State: Ohio ZIP: 45433-7109

6. Total number of applications and patents involved:

1

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

- ☐ Enclosed
☒ Authorized to be charged to deposit account

8. Deposit account number:

AF 01-0465

(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.

THOMAS L. KUNDERT

Name of person signing

Signature

11/22/99

Date

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

4

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PATENT
 REEL: 010414 FRAME: 0345

ASSIGNMENT

WHEREAS we, Claudia V. Kropas-Hughes and Mark E. Oxley, while employed by the United States of America, made an invention entitled AUTOASSOCIATIVE-HETEROASSOCIATIVE NEURAL NETWORK, described in an application for Letters Patent of the United States executed by us on the 28th day of October, 1999, and the 29th day of October, 1999, respectively;

WHEREAS, the conditions under which said invention was made are such as to entitle the Government under paragraph 1(a) of Executive Order 10096, to the entire right, title and interest therein, including foreign rights; and

WHEREAS, as to such foreign rights, it is the policy of the Government to obtain an option to exercise such rights;

NOW, THEREFORE, to all whom it may concern, be it known that for and in consideration of the premises and other valuable considerations, We, Claudia V. Kropas-Hughes and Mark E. Oxley, have sold, assigned, and transferred, and by these presents do sell, assign, and transfer unto the Government of the United States, as represented by the Secretary of the Air Force, the entire right, title and interest throughout the United States of America, its territories and dependencies, in and to the aforesaid joint invention described in the aforesaid application for Letters Patent of the United States, and all Letters Patent issuing thereon and any continuations, divisions, and reissues or extensions thereof; We hereby authorize and request the commissioner of Patents to issue said Letters Patent to the United States of America, as represented by the Secretary of the Air Force, and his successors, as assignee of the entire right, title and interest in and to the same throughout the United States of America, as its territories and dependencies, for the sole use for the full term or terms for which said Letters Patent and any continuations, divisions and reissues or extensions thereof are, or may be, granted as fully and entirely as the same would have been held by us, Claudia V. Kropas-Hughes and Mark E. Oxley, had this Assignment not been made; and We do hereby also grant unto the United States of America as represented by the Secretary of the Air Force, the option to take all of the right, title and interest in our invention or all applications for Letters Patent thereon in all countries foreign to the United States in which the United States of America may file or cause to be filed, applications for Letters Patent, without payment to us of any further consideration; provided, however, that this grant of an option to take foreign rights in the invention must be exercised by written notice to us within 8 months of the filing date of any application for United States Letters Patent covering our invention, within eight months from the declassification of the joint invention, whichever is later, and that all foreign rights not exercised under the option are left to me subject to a nonexclusive, irrevocable, royalty-free license to the United States of America in any patent which may issue on said joint invention in any foreign country, including the power to issue sublicenses for use in behalf of the United States of America and/or in furtherance of the foreign policies of the United States of America; and we, Claudia V. Kropas-Hughes and Mark E. Oxley, hereby agree to execute any and all applications for Letters Patent, and to furnish all data and documents and to execute any papers which may be necessary for the preparation or filing of such domestic applications, or for the Government to exercise its option granted hereunder, except it shall be understood that we shall not be subject to any out-of-pocket expense relative to such action.

Claudia V. Kropas-Hughes
Claudia V. Kropas-Hughes

SIGNED and acknowledged before me this 28th day of October, 1999, at _____

Wright Patterson AFB, County of Greene, and State of Ohio.

(Seal)

Gina S. Tollefson
Notary Public
GINA S. TOLLEFSON, Attorney at Law
Notary Public, State of Ohio
My Commission has no expiration date.
Section 147.03 O. R. C.

Mark E. Oxley

Mark E. Oxley

SIGNED and acknowledged before me this 27th day of October, 1999, at Wright Patterson
Air Force Base, County of Montgomery, and State of Ohio.

(Seal)

Gerald B. Hollins

Notary Public

GERALD B. HOLLINS, Attorney at Law
In and for the State of Ohio
My Commission Has No Expiration Date
O. R. C. Sec. 147.03