



08-02-2001

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office
File No. 9138-18
7-27-01

101796418

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

1. Name of conveying party(ies): Frank C. Hoppensteadt Eugene Izhikevich Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies) Name: <u>Arizona Board of Regents</u> Address: <u>P.O. Box 873511</u> <u>Tempe, Arizona 85287-3511</u> Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other	
Execution Date: <u>July 16, 2001</u>	

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) <u>09/831,812</u> - Filed May 14, 2001	B. Patent No.(s)
Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>Thomas D. MacBlain</u> <u>GALLAGHER & KENNEDY</u> Address: <u>2575 East Camelback Road</u> City: <u>Phoenix</u> State: <u>AZ</u> Zip: <u>85016</u>	6. Total number of applications and patents involved: <u>1</u> 7. Total fee (37 CFR 3.41): <u>\$ 40.00</u> <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account 8. Deposit account number: <u>070135</u> (Attach duplicate copy of this page if paying by deposit account)
---	---

DO NOT USE THIS SPACE

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 D. MacBlain
Name of Person Signing

Signature

July 24, 2001
DateTotal number of pages including cover sheet, attachments, and document: 4

08/02/2001 ANYONE 00000059 09831812

01 FC:581

40.00

ASSIGNMENT

We, FRANK C. HOPPENSTEADT, a citizen of the United States of America, residing in Paradise Valley, County of Maricopa, State of Arizona, United States of America, and EUGENE IZHIKEVICH, a citizen of Russia, residing in San Diego, County of San Diego, State of California, United States of America, have made an invention for which we have filed a utility patent application entitled: "OSCILLATORY NEUROCOMPUTERS WITH DYNAMIC CONNECTIVITY," Serial No. 09/831,812, filed on May 14, 2001.

Acting on behalf of Arizona State University, located in Tempe, Arizona, with an office for conducting business at the Office of Technology Collaborations and Licensing, Arizona State University, P.O. Box 873511, Tempe, Arizona 85287-3511, the Arizona Board of Regents, a corporate body organized under Arizona law, wishes to acquire the entire right and title to and interest in the invention and any improvements on the invention and the above-identified utility patent application and any patent that may be obtained for the invention.

We, FRANK C. HOPPENSTEADT and EUGENE IZHIKEVICH, in accordance with the Arizona State University patent policy, for and in consideration of the sum of \$1.00 paid to each of us by the Arizona Board of Regents, and for other valuable consideration, the receipt of which is acknowledged, have sold, assigned, transferred, and conveyed and by this document do sell, assign, transfer, and convey, to the Arizona Board of Regents, its successors and its assigns the entire right and title to, and interest in the invention for which we have made the above-described application for patent Serial No. 09/831,812 and all improvements on the invention, the above-identified utility patent application, and any complete application claiming priority from the provisional application, any continued prosecution patent application (CPA), division, continuation or continuation-in-part that claims priority from the above-identified utility application Serial No. 09/831,812, and all United States and foreign patents that issue on the above-identified invention and improvements, and all United States and foreign patents and

patent applications that claim priority from the above-identified utility patent application including any patent extensions, renewals or reissues, all for the full term or terms for which any of the foregoing may be granted.

We, FRANK C. HOPPENSTEADT and EUGENE IZHIKEVICH, authorize and request the Commissioner of Patents and Trademarks to issue any patents of the United States, resulting from any application described above to the Arizona Board of Regents as the assignee of the rights identified above, for the sole use and benefit of the Arizona Board of Regents, its successors and its assigns.

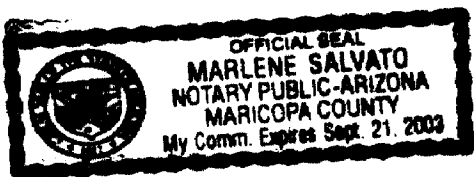
We, FRANK C. HOPPENSTEADT and EUGENE IZHIKEVICH, for the consideration stated above, represent to and agree with the Arizona Board of Regents, its successors, and its assigns, that we have the full power to make this assignment, and that the assigned rights are unencumbered by any previously granted right or license. We, our executors, or administrators will do all acts and things and execute and deliver without further compensation any other instruments, further applications, papers, affidavits, powers of attorney, assignments, and other documents that, in the opinion of the counsel for the Arizona Board of Regents or its successors and its assigns are or may be required to more fully secure and vest the assigned right, title, and interest in and to the Arizona Board of Regents, its successors, and its assigns, and we will sign any applications for reissue, continuation-in-part applications or applications for extension or renewal that may be desired by the owner of the patent or patents that may be issued for the invention or improvements on the invention.

Date: 7/16/01

By: Frank C. Hoppensteadt
FRANK C. HOPPENSTEADT

STATE OF ARIZONA)
) ss.:
COUNTY OF MARICOPA)

BE IT KNOWN, that on this 16TH day of JULY, 2001, before me personally came FRANK C. HOPPENSTEADT, to me known and known to me to be the person mentioned in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed for the use and purposes therein mentioned.



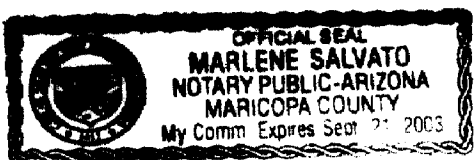
Marlene Salvato
Notary Public

Date: 7/16/01

By: Eugene Izhikevich
EUGENE IZHIKEVICH

STATE OF ARIZONA)
) ss.:
COUNTY OF MARICOPA)

BE IT KNOWN, that on this 16TH day of JULY, 2001, before me personally came EUGENE IZHIKEVICH, to me known and known to me to be the person mentioned in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed for the use and purposes therein mentioned.



Marlene Salvato
Notary Public