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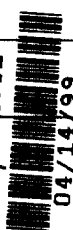
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To the Honorable commissioner of Pat
Please record the attached original d



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558 U.S. PTO
09/29/801



1. Name of conveying party(ies):

Joseph M. Jacobson
Brian N. Hubert

Additional name(s) of conveying
party(ies) attached? _____ Yes _____ x _____ No

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

Name: Massachusetts Institute of Technology

Street Address: 77 Massachusetts Ave.

City: Cambridge

State: MA Zip: 02139

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

3. Nature of conveyance:

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

Execution Date: April 12 and 13, 1999

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: April 12 and 13, 1999

A. Patent Application No.(s)

09/29/801

B. Patent No. (s)

Additional numbers attached? _____ Yes _____ x _____ No

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

Name: Steven J. Frank
Cesari and McKenna, LLP

Street Address: 30 Rowes Wharf

City: Boston State: MA Zip: 02110

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

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

_____ Authorized to be charged to deposit
account

8. Deposit account no. 03-1237 (Attach duplicate
copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

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40.00 UP

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.*

Steven J. Frank, Reg. No. 33,497

Signature

Date

4/14/99

Total number of pages comprising cover sheet: 4

PATENT
REEL: 9897 FRAME: 0347

ASSIGNMENT

Whereas We, Joseph M. Jacobson, who resides at 223 Grant Avenue, Newton, MA 02159, and Brian N. Hubert, who resides at Ashdown House, #608C, 305 Memorial Drive, Cambridge, MA 02139, have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled Memory Structures and Methods of Making Same, identified by Cesari and McKenna File No. 109026-0065, which application was executed by us on April 12 and 13, 1999; and

Whereas Massachusetts Institute of Technology, whose address is 77 Massachusetts Avenue, Cambridge, MA 02139, and which, together with its successors and assigns, is hereinafter called "Assignee," is desirous of acquiring the title, rights, benefits, and privileges hereinafter recited;

Now, Therefore, for valuable consideration furnished by Assignee to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservation:

1. Assign, transfer, and convey to Assignee our entire right, title, and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation, continuation-in-part, and Convention applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues, reexaminations, and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications, and said Letters Patent;

2. Authorize Assignee to file patent applications in any or all countries on any or all of said inventions and discoveries in our names or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise;

3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title, and interest therein or otherwise as Assignee may direct;

4. Warrant that we have not knowingly conveyed to others any right in said inventions, discoveries, applications, or patents or any license to use the same or to make, use, or sell anything embodying or utilizing any of said inventions or discoveries; and that we have good right to assign the same Assignee without encumbrance;

5. Bind our heirs, legal representatives and assigns, as well as ourselves, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to us or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications, and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by us, our heirs, legal representatives, and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including

petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to us relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples, and other physical exhibits in our control or in the control of our heirs, legal representatives or assigns which may be useful for establishing the facts of our conceptions, disclosures, and reduction to practice of said inventions and discoveries.

In testimony of which we have executed this Assignment as an instrument under seal on the dates indicated next to our names.

4/13/99 J. M. Jacobson
Date Joseph M. Jacobson, Inventor

Commonwealth of Massachusetts)
County of Suffolk)ss.
)

On this 13 day of April, 1999, before me appeared Joseph M. Jacobson, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.

[Signature]
Notary Public

[seal]

Exp date LHM
9-29-2000

4/13/99

Date

Brian N. Hubert
Brian N. Hubert, inventor

Commonwealth of Massachusetts)

County of Suffolk)ss.
)

On this 13 day of April, 1999, before me appeared Brian N. Hubert, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.

[Signature]
Notary Public

[seal]

Exp date Lhm
9-29-2000