

Form **PTO-595** (Rev. 08/05)
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U.S. DEPARTMENT OF COMMERCE
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RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies): Marc A. Ostermeier (8/15/2006) and Gurkan Guntas (8/22/2006) 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>The Johns Hopkins University</u> Internal Address: _____ Street Address: _____ 3400 N. Charles Street City: <u>Baltimore</u> State: <u>Maryland</u> Country: <u>United States of America</u> Zip: <u>21218</u> Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3. Nature of conveyance/Execution Date(s): Execution Date(s): <u>in parentheses after inventor name</u> <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Change of Name <input type="checkbox"/> Security Agreement <input type="checkbox"/> Joint Research Agreement <input type="checkbox"/> Government Interest Assignment <input type="checkbox"/> Executive Order 9424, Confirmatory License <input type="checkbox"/> Other _____	4. Application or patent number(s): <input type="checkbox"/> This document is being filed together with a new application. A. Patent Application No.(s) <u>10/588,114</u> B. Patent No.(s) Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5. Name and address to whom correspondence concerning document should be mailed: Name: <u>Peter F. Corless</u> <u>EDWARDS ANGELL PALMER & DODGE</u> <u>LLP</u> Internal Address: <u>Atty. Dkt.: 62568(71699)</u> Street Address: <u>P.O. Box 55874</u> City: <u>Boston</u> State: <u>MA</u> Zip: <u>02205</u> Phone Number: <u>(617) 439-4444</u> Fax Number: <u>(617) 439-4170</u> Email Address: <u>PCorless@eapdlaw.com</u>	6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ <u>40.00</u> <input type="checkbox"/> Authorized to be charged by credit card <input checked="" type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> Enclosed <input type="checkbox"/> None required (government interest not affecting title)
8. Payment Information a. Credit Card Last 4 Numbers _____ Expiration Date _____ b. Deposit Account Number <u>04-1105</u> Authorized User Name <u>Peter F. Corless</u>	
9. Signature: <div style="text-align: center; margin-top: 20px;"> _____ Signature </div> <div style="text-align: right; margin-top: 20px;"> _____ Date </div> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div> <u>Peter F. Corless - 33,860</u> Name of Person Signing </div> <div style="text-align: right;"> Total number of pages including cover sheet, attachments, and documents: 6 </div> </div>	

ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, made this _____ day of _____, 2006,
by Marc A. Ostermeier and Gurkan Guntas (hereinafter referred to as Assignors),
residing at 6916 Bellona Ave, Baltimore, Maryland 21212-1108; and ~~6230 Green~~
~~Meadow Parkway, Baltimore, Maryland 21209~~, respectively; *222 Old Fayetteville Road*
Apt: D-208, Carrboro, North Carolina 27510 *G.G. 08/22/2006*

WHEREAS, Assignors have invented certain new and useful improvements
in METHODS FOR MAKING AND USING MOLECULAR SWITCHES INVOLVING
CIRCULAR PERMUTATION, set forth in a Patent application for which an International
Application was filed on January 28, 2005, PCT/US05/02633, designating the United
States; and

WHEREAS, The Johns Hopkins University, having its principal place of
business at 3400 N. Charles Street, Baltimore, Maryland 21218 (hereinafter referred
to as Assignee), is desirous of acquiring the entire right, title and interest in and to said
inventions and International Application including any Letters Patent of the United
States to be obtained therefore and thereon.

NOW, THEREFORE, in consideration of good and sufficient consideration,
the receipt of which is hereby acknowledged, Assignors have sold, assigned,
transferred and set over, and by these presents do sell, assign, transfer and set over,
unto Assignee, its successors, legal representatives and assigns, the entire right, title
and interest in and to the above-mentioned inventions and International Application for
Letters Patent, and in and to any and all direct and indirect divisions, continuations and
continuations-in-part of said application, and any and all Letters Patent in the United
States and all foreign countries which may be granted therefore and thereon, and
reissues, reexaminations and extensions of said Letters Patent, and all rights under
the International Convention for the Protection of Industrial Property, the same to be
held and enjoyed by Assignee, for its own use and benefit and the use and benefit of
its successors, legal representatives and assigns, to the full end of the term or terms
for which Letters Patent may be granted and/or extended, as fully and entirely as the

same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

AND for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignors hereby request the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.


AND Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order

to comply with the rules of the United States Patent and Trademark Office for
recording of this document:

EDWARDS ANGELL PALMER & DODGE LLP

All practitioners at Customer Number 49383

AND Assignors acknowledge an obligation of assignment of this invention to
Assignee at the time the invention was made.

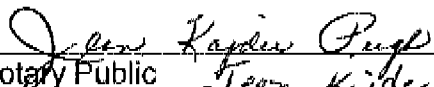


Marc A. Ostermeier

Date: August 15, 2006

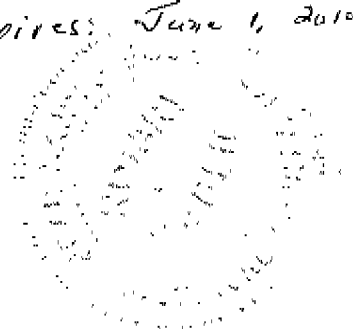
United States of America)
State of Maryland) ss.:
County of Baltimore)

On this 15th day of August, 2006, before me
personally came Marc A. Ostermeier, to me known to be the individual
described in and who executed the foregoing instrument, and acknowledged execution
of the same.



Notary Public Jean Kajder Pugh

My Commission Expires June 1, 2010

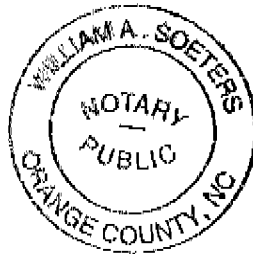


G. Guntas
Gurkan Guntas

Date: August 22, 2006

United States of America
State of North Carolina ss.:
County of Orange

On this 22 day of August, 2006, before me
personally came Gurkan Guntas, to me known to be the individual
described in and who executed the foregoing instrument, and acknowledged execution
of the same.



William A. Soeters
Notary Public

Comm. expires Oct 12, 2006