

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Sandhya Dwarkadas</td> <td>03/09/2009</td> </tr> <tr> <td>Arrvindh Shriraman</td> <td>10/23/2008</td> </tr> <tr> <td>Michael Scott</td> <td>10/20/2008</td> </tr> </tbody> </table>		Name	Execution Date	Sandhya Dwarkadas	03/09/2009	Arrvindh Shriraman	10/23/2008	Michael Scott	10/20/2008
Name	Execution Date								
Sandhya Dwarkadas	03/09/2009								
Arrvindh Shriraman	10/23/2008								
Michael Scott	10/20/2008								
RECEIVING PARTY DATA									
Name:	University of Rochester, Office of Technology Transfer								
Street Address:	611 Hylan Building								
Internal Address:	P.O. Box 270142								
City:	Rochester								
State/Country:	NEW YORK								
Postal Code:	14627-0142								
PROPERTY NUMBERS Total: 1									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13422544</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13422544				
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Application Number:	13422544								
CORRESPONDENCE DATA									
Fax Number:	(202)429-4380								
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Email:	IP-Docketing@murphyking.com								
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ATTORNEY DOCKET NUMBER:	5988-004-US01DIV1								
NAME OF SUBMITTER:	Chadwick A. Jackson								

CH \$40.00 13422544

**Total Attachments: 4**

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**ASSIGNMENT**

THIS ASSIGNMENT, made on the date set forth below by Arrvinth Shriraman, Sandhya Dwarkadas, and Michael L. Scott, residing at 209B Conant Road, Rochester, New York, 14623; 7 Wood Hill Rd., Pittsford, New York, 14534; and 54 Laconia Parkway, Rochester, New York, 14618, respectively (hereinafter referred to as "Assignors"), witnesseth:

WHEREAS, said assignors have invented certain new and useful improvements in MECHANISMS TO SUPPORT FLEXIBLE DECOUPLED TRANSACTIONAL MEMORY set forth in a Patent Application filed on August 15, 2008, in the United States Patent and Trademark Office, and accorded Application No. 12/192,696; and

WHEREAS, UNIVERSITY OF ROCHESTER, an educational institution duly organized under and pursuant to the laws of the State of New York, having its principal place of business at 611 Hylan Building, Rochester, New York 14627 (hereinafter referred to as the assignee) is desirous of acquiring the entire right, title and interest in and to said inventions and said application for Letters Patent of the United States, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, the said assignors have sold, assigned, transferred and set over, and by these presents do sell, transfer and set over, unto the assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions, application for Letters Patent, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all divisions, continuations, and continuations-in-part of said application, or reissues or extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial

Property, the same to be held and enjoyed by the said assignee, for its own use and behoof and the use and behoof of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted, as fully and entirely as the same would have been held and enjoyed by the assignors, had this sale and assignment not been made.

AND for the same consideration, the said assignors hereby covenant and agree to and with the said assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, the said assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and the application for Letters Patent above-mentioned, and that the same are unencumbered and that the said 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, the said assignors hereby covenant and agree to and with the said assignee, its successors, legal representatives and assigns, that the said assignors will, whenever counsel of the said assignee or the counsel of its successors, legal representatives and assigns, shall advise that any proceeding in connection with said inventions, or said application for Letters Patent, or any proceeding in connection with Letters Patent for said inventions in any country, including interference proceedings, is lawful and desirable, that any division, continuation or continuation-in-part of any application for Letters Patent, or reissue or extension of any Letters Patent, to be obtained thereon, is lawful and desirable, 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 Letters Patent for said inventions, without charge to the said assignors, but at the cost and expense of the said assignee, its successors, legal representatives and assigns.

AND said assignors hereby request the Commissioner of Patent and Trademarks to

issue said Letters Patent of the United States to the said assignee, as the assignee of said inventions and the Letters Patent to be issued thereon for the sole use and behoof of the said assignee, its successors, legal representatives and assigns.

The undersigned hereby grant the firm of BLANK ROME LLP, 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 recordation of this document.

Date: 9<sup>th</sup> March, 2009.

Sandhya Dwarkadas  
Sandhya Dwarkadas

Date: 10/23/08

Arrvindh Shriraman  
Arrvindh Shriraman

Date: 20 Oct 08

Michael L. Scott  
Michael L. Scott

STATE OF New York )  
COUNTY OF Monroe )

On this 23<sup>rd</sup> day of October 2008, personally before me came Arrvindh Shriraman, known to me, and known to me to be the person described in and who signed the annexed Assignment, and being duly sworn, acknowledged execution of the same.

NOTARY PUBLIC

Commission Expires: 5/13/10

Lisa Sheldon

**LISA SHELDON**  
**NOTARY PUBLIC - STATE OF NEW YORK**  
**MONROE COUNTY, REG# 01SH6074208**  
**MY COMMISSION EXPIRES MAY 13, 2010**

STATE OF New York )  
COUNTY OF Monroe )

On this 9<sup>th</sup> day of March 2008, personally before me came Sandhya Dwarkadas, known to me, and known to me to be the person described in and who signed the annexed Assignment, and being duly sworn, acknowledged execution of the same.

NOTARY PUBLIC

Commission Expires: 5/13/10

Lisa Sheldon

LISA SHELDON  
NOTARY PUBLIC - STATE OF NEW YORK  
MONROE COUNTY, REG# 01SH6074208  
MY COMMISSION EXPIRES MAY 13, 2010

STATE OF New York )  
COUNTY OF Monroe )

On this 20<sup>th</sup> day of October 2008, personally before me came Michael L. Scott, known to me, and known to me to be the person described in and who signed the annexed Assignment, and being duly sworn, acknowledged execution of the same.

NOTARY PUBLIC

Commission Expires: 5/13/10

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