

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Rajeev Balasubramonian</td> <td>04/11/2001</td> </tr> <tr> <td>David H. Albonesi</td> <td>04/11/2001</td> </tr> <tr> <td>Alper Buyuktosunoglu</td> <td>04/11/2001</td> </tr> <tr> <td>Sandhya Dwarkadas</td> <td>04/11/2001</td> </tr> </tbody> </table>		Name	Execution Date	Rajeev Balasubramonian	04/11/2001	David H. Albonesi	04/11/2001	Alper Buyuktosunoglu	04/11/2001	Sandhya Dwarkadas	04/11/2001
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CORRESPONDENCE DATA											
<p>Fax Number: (503)224-2084 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 503-224-2170 Email: docket@stofoco.com Correspondent Name: Stolowitz Ford Cowger LLP Address Line 1: 621 SW Morrison Street, Ste 600 Address Line 4: Portland, OREGON 97205</p>											
ATTORNEY DOCKET NUMBER:	2493-0020										
NAME OF SUBMITTER:	Graciela G. Cowger										
<p>Total Attachments: 4 source=2493-0020 Assign - Executed#page1.tif</p>											

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ASSIGNMENT

THIS ASSIGNMENT, made on the date set forth below by Rajeev Balasubramonian, residing at 216-A Conant Rd., Rochester, New York 14623, David Albonesi residing at 2389 Doran Rd., Lima, New York 14485, Alper Buyuktosunoglu residing at 60 Crittenden Blvd. Apt #734, Rochester, New York, 14620, Sandhya Dwarkadas residing at, 1111 Lac de Ville Blvd., #411, Rochester, New York, 14618 (hereinafter referred to as the assignors), witnesseth:

WHEREAS, said assignors have invented certain new and useful improvements in **Memory Hierarchy Reconfiguration for Energy and Performance In General-Purpose Processor Architectures** set forth in an application for Letters Patent of the United States, filed on November 9, 2000 and accorded Serial No. 09/708,727; 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 518 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 assignee, its successors, legal representatives and assigns, 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 COMISKY & McCAULEY 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: 4/11/01

Date: 4/11/01

Date: 4/11/01

Date: 4/11/01

Rajeev
Rajeev Balasubramonian

David H. Albonesi
David H. Albonesi

Alper Buyuktosunoglu
Alper Buyuktosunoglu

Sandhya Dwarkadas
Sandhya Dwarkadas

STATE OF New York New York)
COUNTY OF Monroe)

On this 11th day of April, 2000, personally before me came Rajeev Balasubramonian, David H. Albonesi, Alper Buyuktosunoglu, 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 that she executed the same.

REBECCA J. KEDDY
NOTARY PUBLIC - STATE OF NEW YORK
NO. 01KE6048859
QUALIFIED IN MONROE COUNTY
MY COMMISSION EXPIRES 10-02-2002

NOTARY PUBLIC

Rebecca J. Keddy

My Commission Expires:
October 2, 2002