

11-05-2002

REC



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10/18/02

102272509

Attorney Docket No.: 049623-5022

To the Commissioner for Patents:
Please record the attached original documents or copy thereof.

jc979 U.S. PTO
10/27/02
10/18/02

1. Name of conveying party(ies):

James D. Zelenka

Additional name(s) of conveying party(ies) attached?

Yes No

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

Name: Panasas, Inc.

Internal Address:

3. Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other _____

Street Address: 1501 Reedsdale Street
Suite 400

City: Pittsburgh
State: PA Zip: 15233

Execution Date: October 11, 2002

Additional name(s) & address(es) attached?

Yes No

4. Application number(s) or patent number(s):

101274243

If this document is being filed together with a new application the execution date of the application is:

October 11, 2002

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached: Yes No

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

Name: DANIEL H. GOLUB

Internal Address: Morgan, Lewis & Bockius LLP

Street Address: 1701 Market Street

City: Philadelphia State: PA Zip: 19103-2921

6. Total number of applications and patents involved: 1

7. Total fee (37 C.F.R §3.41): \$40.00

Enclosed

Authorized to be charged to deposit account 50-0310

8. Deposit account number: 50-0310

Attach duplicate of page if paying by deposit account

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.

Abhijat Parikh, Reg. No. 49,086

Name of Person Signing

Signature

October 18, 2002

Date

11/04/2002 DBYRME 00000233 500310 10274243

01 FC:0021 40.00 CH

Total number of pages including cover sheet, attachments and documents: 2

ASSIGNMENT

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled:

**HASHING OBJECTS INTO MULTIPLE DIRECTORIES FOR BETTER
CONCURRENCY AND MANAGEABILITY**

for which I executed an application for United States Letters Patent concurrently herewith; and

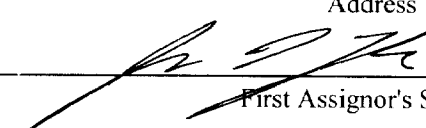
WHEREAS Panasas, Inc., a corporation of Delaware, whose post office address is 1501 Reedsdale Street, Suite 400, Pittsburgh, Pennsylvania 15233 (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application of United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for and valuable consideration the receipt of which from Assignee is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such applications, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent of this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY covenant that I/WE have the full right to convey the interest assigned by this Assignment, and I/WE have not executed and will not execute any agreement in conflict with this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to ME/US respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

IN TESTIMONY WHEREOF, I/WE have hereunto set our hand(s).

County of _____	_____ James D. Zelenka _____ Full Name of Sole or First Assignor
State of _____	_____ 365 Lehigh Avenue, Pittsburgh, PA 15232 _____ Address
SS.	
Subscribed and sworn to before me this _____ day of _____, 2002.	_____  _____ First Assignor's Signature
_____ Notary Public	_____ 10/11/02 _____ Date
Names of additional inventors attached <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

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WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled:

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for which I executed an application for United States Letters Patent concurrently herewith; and

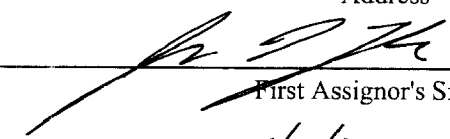
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NOW THEREFORE, be it known that, for and valuable consideration the receipt of which from Assignee is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such applications, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent of this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY covenant that I/WE have the full right to convey the interest assigned by this Assignment, and I/WE have not executed and will not execute any agreement in conflict with this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to ME/US respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

IN TESTIMONY WHEREOF, I/WE have hereunto set our hand(s).

County of _____	_____ James D. Zelenka _____ Full Name of Sole or First Assignor
State of _____	_____ 365 Lehigh Avenue, Pittsburgh, PA 15232 _____ Address
SS.	
Subscribed and sworn to before me this _____ day of _____, 2002.	_____  _____ First Assignor's Signature
_____ Notary Public	_____ 10/11/2 _____ Date
Names of additional inventors attached <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	