

PATENT ASSIGNMENT

Electronic Version v1.1

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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>George Totolos Jr.</td><td>06/08/2007</td></tr><tr><td>Roger Blood</td><td>06/08/2007</td></tr></tbody></table>	Name	Execution Date	George Totolos Jr.	06/08/2007	Roger Blood	06/08/2007	
Name	Execution Date						
George Totolos Jr.	06/08/2007						
Roger Blood	06/08/2007						
RECEIVING PARTY DATA							
Name:	Network Appliance, Inc.						
Street Address:	495 East Java Drive						
City:	Sunnyvale						
State/Country:	CALIFORNIA						
Postal Code:	94089						
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>11741373</td></tr></tbody></table>	Property Type	Number	Application Number:	11741373			
Property Type	Number						
Application Number:	11741373						
CORRESPONDENCE DATA							
Fax Number:	(617)951-3927						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
Phone:	617-951-2500						
Email:	docket@c-m.com						
Correspondent Name:	Cesari and McKenna, LLP						
Address Line 1:	88 Black Falcon Ave, Suite 271						
Address Line 4:	Boston, MASSACHUSETTS 02210						
ATTORNEY DOCKET NUMBER:	112056-0412						
NAME OF SUBMITTER:	Duane H. Dreger						
Total Attachments: 4 source=2071689#page1.tif source=2071689#page2.tif source=2071689#page3.tif							

CH \$40.00 11741373

500297161

PATENT
REEL: 019439 FRAME: 0247

ASSIGNMENT

Whereas We, George Totolos, Jr., whose residence address is 495 East Java Drive, Sunnyvale, CA 04089, and Roger Blood, whose residence address is 495 East Java Drive, Sunnyvale, CA 94089, have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled SYSTEM AND METHOD FOR PROTECTING MEMORY DURING SYSTEM INITIALIZATION, identified by Cesari and McKenna File No. 112056-0412, the specification of which was filed on April 27, 2007, and accorded Serial Number 11/741,373; and

Whereas Network Appliance, Inc., whose address is 495 East Java Drive, Sunnyvale, CA 94089, 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 to 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.

6/8/07
Date

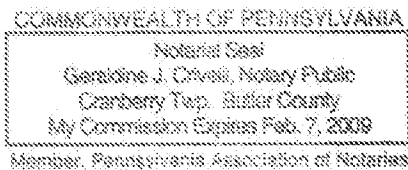
George Totolos, Jr.
George Totolos, Jr., Inventor

State of ~~California~~ Pennsylvania)
County of Butler) ss.

On 6/8/07, before me, Geraldine J. Drivall, personally
appeared George Totolos, Jr.,

☒ personally known to me
☐ proved to me on the basis of satisfactory
evidence

to be the person(s) whose name(s) is/are
subscribed to the within instrument and
acknowledged to me that he/she/they
executed the same in his/her/their authorized
capacity(ies), and that by his/her/their
signature(s) on the instrument the person(s),
or the entity upon behalf of which the
person(s) acted, executed the instrument.



WITNESS my hand and official seal

Geraldine J. Drivall
Signature of Notary Public

[seal]

6/8/07
Date

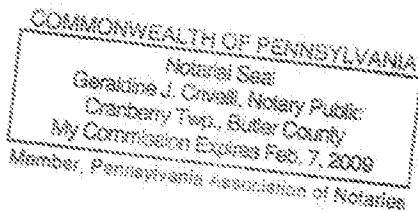
Roger Blood
Roger Blood, Inventor

State of ~~California~~ Pennsylvania)
County of Butler) ss.

On 6/8/07, before me, Gerakine Crivell, personally
appeared Roger Blood,

☒ personally known to me
☐ proved to me on the basis of satisfactory
evidence

to be the person(s) whose name(s) is/are
subscribed to the within instrument and
acknowledged to me that he/she/they
executed the same in his/her/their authorized
capacity(ies), and that by his/her/their
signature(s) on the instrument the person(s),
or the entity upon behalf of which the
person(s) acted, executed the instrument.



[seal]

WITNESS my hand and official seal

Gerakine Crivell
Signature of Notary Public