

RE 12/22/08

Form PTO-1595 (Rev. 07/05)
OMB No. 0651-0027 (exp. 6/30/2008)

02-04-2009

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John D. Harbaugh

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Street Address: 9800 Savage Road

City: Ft. George G. Meade
State: MD
Country: USA Zip: 20755-6542

Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance/Execution Date(s):
Execution Date(s) 2 October 2008
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 Security Agreement Change of Name
 Joint Research Agreement
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4. Application or patent number(s): This document is being filed together with a new application.
A. Patent Application No.(s)
12/317,293
Document ID number 103543080

Additional numbers attached? Yes No

B. Patent No.(s)

5. Name and address to whom correspondence concerning document should be mailed:
Name: National Security Agency
Internal Address: Attn: AGC(IP&T), Suite 6542

Street Address: 9800 Savage Road

City: Ft. George G. Meade
State: MD Zip: 20755-6542
Phone Number: 301-688-0287
Fax Number: 301-688-0076
Email Address: rdmorell@nsa.gov

6. Total number of applications and patents involved: 1
7. Total fee (37 CFR 1.21(h) & 3.41) \$40
 Authorized to be charged by credit card
 Authorized to be charged to deposit account
 Enclosed
 None required (government interest not affecting title)

8. Payment Information
a. Credit Card Last 4 Numbers _____
Expiration Date _____
b. Deposit Account Number 140381
Authorized User Name Robert D. Morelli

9. Signature: Robert D. Morelli 1-26-2009
Signature Date

ROBERT D. MORELLI
Name of Person Signing
Total number of pages including cover sheet, attachments, and documents: 4

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01-09-2009



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 Phone Number: 301-688-0287
 Fax Number: 301-688-0076
 Email Address: rdmorel@nsa.gov

6. Total number of applications and patents involved: One (1)
7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40
 Authorized to be charged to deposit account
 Enclosed
 None required (government interest not affecting title)

8. Payment Information
 Deposit Account Number 14-0381
 Authorized User Name Robert D. Morelli

9. Signature: Robert D. Morelli
 Signature
 ROBERT D. MORELLI
 Name of Person Signing

01/08/2009 DBYRNE 00000047 140381 MORELLI R
 01 FC:0021 12-18-2008 Date

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ASSIGNMENT
(Government Employee)

TITLE:
Method of Establishing and Updating Master Node in Computer Network

INVENTOR:
John D. Harbaugh

I, the undersigned inventor, in consideration of the rights of the Government of the United States acquired by virtue of the circumstances under which the above-identified invention was made, hereby:

1. Assign to the Government of the United States, as represented by the Director, National Security Agency, the entire right, title, and interest throughout the world in and to the above-identified invention and application for patent and all Letters Patent issuing thereon, and any continuation, continuation-in-part or division of said application and any reissue or extension of said Letters Patent.

2. Agree to provide any further information within my knowledge and to execute any further documents necessary to the prosecution of patent applications on the invention, the prosecution and settlement of the interferences and recording of title to patent applications and patents.

INVENTOR: John D. Harbaugh

ADDRESS: (City) FT MEADE (County) Anne Arundel
(State) MD.

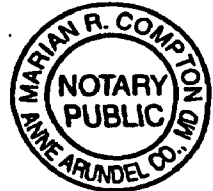
DATE: 02 09 08

SIGNATURE: [Handwritten Signature]

State of Maryland)
County of Anne Arundel)

On 2 October 2008 (date), known to me to be the individual described in and who executed the foregoing instrument duly appeared before me and acknowledged to me that he or she executed the same as their own free act and deed.

(SEAL) Marian R Compton
(Signature)



MARIAN R. COMPTON
Notary Public, State of Maryland
Anne Arundel County
My Commission Expires September 27, 2009