

PATENT ASSIGNMENT

Electronic Version v1.1  
Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	EXECUTIVE ORDER 9424, CONFIRMATORY LICENSE
CONVEYING PARTY DATA	
Name	Execution Date
Northwestern University	08/20/2010
RECEIVING PARTY DATA	
Name:	National Science Foundation
Street Address:	4201 Wilson Blvd
Internal Address:	Room 1265
City:	Arlington
State/Country:	VIRGINIA
Postal Code:	22230
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12846541
CORRESPONDENCE DATA	
Fax Number: (703)292-9041 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Email: nsfpatents@nsf.gov	
Correspondent Name: National Science Foundation	
Address Line 1: 4201 Wilson Blvd	
Address Line 2: Room 1265	
Address Line 4: Arlington, VIRGINIA 22230	
NAME OF SUBMITTER:	Robin Clay
Total Attachments: 1 source=214#page1.tif	

## License to the United States Government

*Sign and submit the executed document to the appropriate funding agency (e.g. upload in iEdison).*

Invention Title: NetShield: Matching with a Large Vulnerability Signature Ruleset for High  
Performance Network Defense

Inventor(s): Zhichun Li, Bin Liu, Yan Chen, Gao Xia

U.S. Filing/Issue Date: July 29, 2010

Patent or Application Serial No.: 12/846,541

Grant/Contract Number(s): CNS0831508

Foreign Applications filed/intended in (countries): \_\_\_\_\_

The invention identified above is a Subject Invention under **35 U.S.C. 200, et seq.**, and the Standard Patent Rights clause at **37 CFR 401.14, FAR 52.227-11 or FAR 52.227-12** (if applicable) which are included among the terms of the above identified grant or contract award from the United State Government. This document is confirmatory of:

1. The nonexclusive, nontransferable, irrevocable, paid-up license to practice or have practiced for or on behalf of the United States the invention described in any patent application and in any and all divisions, continuations, and continuations in part, and in any and all patents and re-issues granted thereon throughout the world; and
2. All other rights acquired by the Government by reason of the above identified grant/contract award and the laws and regulations that are applicable to the award.

The Government is hereby granted an irrevocable power to inspect and make copies of the above-identified patent application.

Signed this 12/10 day of August, 20 10.

By Alicia I. Loffler, Ph.D.

(Name of Grantee/Contractor Official)

(Signature)

Title Associate Vice President Research and Executive Director of INVO

For NORTHWESTERN UNIVERSITY

(Grantee/Contractor Organization)

At Innovation and New Ventures Office (INVO) 1800 Sherman Avenue Suite 504 Evanston, IL

60201 US

(Business Address)