

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT6890492

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
<b>Name</b>		<b>Execution Date</b>
NEUSTAR, INC.		08/23/2021
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	SECURITY SERVICES, LLC	
<b>Street Address:</b>	45980 CENTER OAK PLAZA	
<b>City:</b>	STERLING	
<b>State/Country:</b>	VIRGINIA	
<b>Postal Code:</b>	20166	
<b>PROPERTY NUMBERS Total: 19</b>		
<b>Property Type</b>	<b>Number</b>	
Application Number:	11142890	
Application Number:	12902619	
Application Number:	15991956	
Application Number:	17092996	
Application Number:	14967937	
Application Number:	15836685	
Application Number:	12237144	
Application Number:	14922486	
Application Number:	15805075	
Application Number:	13784710	
Application Number:	15166771	
Application Number:	15613606	
Application Number:	11537740	
Application Number:	13085323	
Application Number:	12163659	
Application Number:	11142889	
Application Number:	11136086	
Application Number:	16293495	
Application Number:	17248423	

**CORRESPONDENCE DATA****Fax Number:** (202)371-2600

*Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.*

**Phone:** 202-371-2600**Email:** rhicks@sternekessler.com, lmiller@sternekessler.com**Correspondent Name:** STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.**Address Line 1:** 1100 NEW YORK AVENUE, NW**Address Line 4:** WASHINGTON, D.C. 20005

<b>ATTORNEY DOCKET NUMBER:</b>	4380.0000000
<b>NAME OF SUBMITTER:</b>	ROSS G. HICKS
<b>SIGNATURE:</b>	/Ross G. Hicks, #56,374/
<b>DATE SIGNED:</b>	08/30/2021

**Total Attachments: 5**

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## **PATENT ASSIGNMENT AND LICENSE-BACK AGREEMENT**

This **PATENT ASSIGNMENT AND LICENSE BACK AGREEMENT** (this "Agreement"), is made and entered into as of August 23, 2021 (the "Effective Date"), by and between **NEUSTAR, INC.**, a Delaware corporation, with its principal office at 1906 Reston Metro Plaza, Suite 500, Reston VA 20190 ("Neustar") and **SECURITY SERVICES, LLC**, a Delaware limited liability company, with its principal office at 45980 Center Oak Plaza, Sterling, VA 20166 ("Security Services").

### **WITNESSETH:**

WHEREAS, Neustar is the owner of all right, title and interest in, to and under the patents and patent applications identified in Schedule 1 (the "Assigned Patents");

WHEREAS, Neustar hereby agrees to assign, transfer and deliver to Security Services, and Security Services hereby agrees to acquire from Neustar, all of Neustar's right, title and interest in, to and under the Assigned Patents;

WHEREAS, Neustar and Security Services wish to document the assignment to Security Services of Neustar's right, title and interest in, to and under the Assigned Patents; and

WHEREAS, it is the intent of the parties that Security Services grant a license back to Neustar to and under those certain Assigned Patents identified in Schedule 2, including all applications, continuations, continuations-in-part, divisionals, reexaminations, and reissues arising therefrom (the "Licensed Patents"), subject to the terms and conditions set forth in this Agreement.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties hereto, intending to be legally bound, hereby agree as follows:

Section 1. Assignment. Neustar hereby transfers, conveys, assigns and delivers to Security Services, and Security Services hereby assumes and accepts from Neustar, all of Neustar's right, title and interest in, to and under the Assigned Patents, including without limitation, (a) all income, royalties, profits, and damages related thereto; (b) the right, if any, to register, prosecute, maintain and defend the Assigned Patents before any public or private agency or registrar; (c) the right to bring actions, defend against or otherwise recover damages or other compensation for past, present or future infringements, dilutions, misappropriations, or other violations of the Assigned Patents, including the right to sue and obtain equitable relief in respect of such infringements, dilutions, misappropriations and other violations; and (d) the right to fully and entirely stand in the place of Neustar in all matters related thereto.

Section 2. Acknowledgement. Neustar hereby acknowledges and agrees that from and after the date hereof, Security Services shall be the exclusive owner of all Neustar's right, title and interest in, to and under the Assigned Patents.

Section 3. Authorization. Neustar hereby authorizes the Commissioner of Patents in the United States Patent and Trademark Office, and the corresponding entities or agencies in any applicable foreign countries, to record, register and otherwise reflect Security

Services as the assignee of all of Neustar's right, title and interest in and to the Assigned Patents in the appropriate jurisdiction and to deliver to Security Services, and to Security Services' attorneys, agents, successors or assigns, all official documents and communications.

Section 4. License-Back. Neustar hereby reserves and retains, and Security Services hereby grants to Neustar, during the Term, a worldwide, perpetual, irrevocable, royalty-free, fully paid-up, transferable, non-exclusive license, with the right to sublicense to Neustar's affiliates, customers, partners and service providers, to and under the Licensed Patents, for any and all purposes.

Section 5. Term. This Agreement shall commence on the Effective Date and shall continue in full force and effect until the date of expiration of the last to expire of the Licensed Patents (the "Term"). The licenses shall survive any earlier termination of this Agreement.

Section 6. Governing Law. Any disputes arising out of or relating to this Agreement, including, without limitation, to its execution, performance or enforcement, shall be governed by, and construed in accordance with, the laws of the State of Delaware, regardless of the laws that might otherwise govern under applicable principles of conflicts of laws thereof.

Section 7. Entire Agreement. This Agreement, together with the exhibits and schedules attached hereto, contains the entire agreement between the parties hereto with respect to the subject matter hereof and supersede all previous agreements, negotiations, discussions, writings, understandings, commitments and conversations with respect to such subject matter, and there are no agreements or understandings between the parties hereto with respect to the subject matter hereof other than those set forth or referred to herein or therein. No provisions of this Agreement shall be deemed waived, amended, supplemented or modified by any party hereto, unless such waiver, amendment, supplement or modification is in writing and signed by the authorized representative of each party hereto.

Section 8. Further Assurances. Each party covenants and agrees that, without any additional consideration, it shall execute and deliver any further legal instruments and perform any acts that are or may become necessary to effectuate this Agreement.

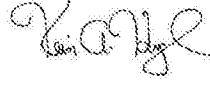
Section 9. Section 365(n). All licenses granted under this Agreement are deemed to be, for purposes of Section 365(n) of the U.S. Bankruptcy Code, licenses of "intellectual property" as defined in Section 101 of such Code.

Section 10. Counterparts. This Agreement may be executed in one or more counterparts, all of which counterparts shall be considered one and the same agreement, and shall become effective when one or more counterparts have been signed by each party hereto and delivered to the other party. This Agreement may be executed by facsimile or PDF signature and scanned and exchanged by electronic mail, and such facsimile or PDF signature or scanned and exchanged copies shall constitute an original for all purposes.

*[Signature Pages Follows]*

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed by their duly authorized representatives.

NEUSTAR, INC.

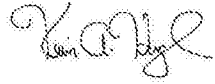


By: \_\_\_\_\_

Name: Kevin A. Hughes

Title: Executive Vice President, General  
Counsel and Secretary

SECURITY SERVICES, LLC



By: \_\_\_\_\_

Name: Kevin A. Hughes

Title: Secretary

**Schedule 1**

**Assigned Patents**

Patent Title	Jurisdiction	Serial No.	Filing Date	Patent No.	Issue Date
Systems and methods for isolating local performance variation in website monitoring	United States	11/142,890	June 1, 2005	7,546,368	June 9, 2009
Isolating local performance variation in website monitoring	United States	12/902,619	October 12, 2010	8,370,485	February 5, 2013
Secure domain name system	United States	15/991,956	May 29, 2018	10,834,066	November 10, 2020
Secure domain name system	United States	17/092,996	November 9, 2020	--	--
Domain name system and method of operating using restricted channels	United States	14/967,937	December 14, 2015	9,871,794	January 16, 2018
Domain name system and method of operating using restricted channels	United States	15/836,685	December 8, 2017	10,356,097	July 16, 2019
Secure domain name system	United States	12/237,144	September 24, 2008	9,172,713	October 27, 2015
Secure domain name system	United States	14/922,486	October 26, 2015	9,648,004	May 9, 2017
Resolving Domain Name System (DNS) Requests Via Proxy Mechanisms	United States	15/805,075	November 6, 2017	--	--
Method and system for detecting network compromise	United States	13/784,710	March 4, 2013	9,356,942	May 31, 2016
Method and system for detecting network compromise	United States	15/166,771	May 27, 2016	9,674,222	June 6, 2017
Method and system for detecting network compromise	United States	15/613,606	June 5, 2017	10,230,761	March 12, 2019
System and method for obtaining and executing instructions from a private network	United States	11/537,740	October 2, 2006	8,005,890	August 23, 2011
System and method for sharing web performance monitoring data	United States	13/085,323	April 12, 2011	8,224,959	July 17, 2012
Monitoring web service transactions	United States	12/163,659	June 27, 2008	8,892,718	November 18, 2014
Systems and methods for website monitoring and load testing via simulation	United States	11/142,889	June 1, 2005	7,770,068	August 3, 2010
System and method for determining cost of website performance	United States	11/136,086	May 24, 2005	8,423,634	April 16, 2013
System and method for facilitating routing	United States	16/293,495	March 5, 2019	10,904,352	January 26, 2021
System and method for facilitating routing	United States	17/248,423	January 25, 2021	--	--

**Schedule 2**

**Licensed Patents**

Patent Title	Jurisdiction	Serial No.	Filing Date	Patent No.	Issue Date
System and method for facilitating routing	United States	16/293,495	March 5, 2019	10,904,352	January 26, 2021
System and method for facilitating routing	United States	17/248,423	January 25, 2021	--	--