Peter R. Afrasiabi (Bar No. 193336) pafrasiabi@onellp.com Nate L. Dilger (Bar No.196203) ndilger@onellp.com 3 4000 MacArthur Boulevard West Tower, Suite 1100 4 Newport Beach, CA 92660 Telephone: (949) 502-2870 5 Facsîmile: (949) 258-5081 6 Attorney for Plaintiff Network Signatures, Inc. 7 8 .9 10 NETWORK SIGNATURES, INC., 11 Plaintiff. 12 13 UNITED PARCEL SERVICE GENERAL 14 SERVICES CO. 15 Defendant. 16 17 18 follows: 19 20 21 22 23 24



UNITED STATES DISTRICT COURT CENTRAL DISTRICT OF CALIFORNIA SOUTHERN DIVISION

Case No.SACV11-00186 DOC (RNBx)

COMPLAINT FOR PATENT INFRINGEMENT, PERMANENT INJUNCTION AND DAMAGES

DEMAND FOR JURY TRIAL

For its Complaint against Defendant United Parcel Service General Services Co. ("Defendant"), Plaintiff Network Signatures, Inc. ("Network Signatures") alleges as

THE NAVAL RESEARCH LABORATORY

The Naval Research Laboratory ("NRL") is one of the most accomplished research-and-development organizations in the country. NRL scientists have not only made remarkable breakthroughs in military technology, they have literally changed the world for all of us. Without their efforts, we would not have GPS, modern radar, and any number of other technological innovations that we now take for granted. This lawsuit concerns another such innovation: technology that allows for the safe and secure

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communication of sensitive information via the Internet, such as personal, banking, commercial, financial, and other information.

2. Federal law empowers the government to license its patents to private parties for commercialization as well as for enforcement of the patent without the United States as a party. 37 C.F.R. § 404.5(b)(2). By doing so, the government can use market forces to better capitalize on its technologies the way a private party would. In addition, a license agreement can give the private licensee the proper incentives to protect the government's intellectual property from theft, a task often handled better by a private entity.

THE PARTIES

- 3. Plaintiff Network Signatures, Inc. ("Network Signatures") is a corporation duly organized and existing under the laws of California with its principal place of business 30021 Tomas Street, Suite 300, Rancho Santa Margarita, California 92688. As alleged below, the United States of America has granted to Network Signatures an exclusive license concerning the patented technology at issue in this lawsuit.
- 4. Defendant is a corporation duly organized and existing under the laws of the State of Georgia, with its principal place of business at United Parcel Service General Services Co., 55 Glenlake Parkway, NE Atlanta, GA 30328. Defendant is in the business of providing financial products and services to persons in the U.S. and worldwide through physical and electronic channels, including the Internet.

JURISDICTION AND VENUE

- 5. This is a civil action for patent infringement arising under the Patent Act of the United States, 35 U.S.C. §§ 1 et seq. This court has subject matter jurisdiction of such federal question claims pursuant to 28 U.S.C. §§ 1331 and 1338(a).
- 6. Venue is proper under 28 U.S.C. §§ 1391(b), 1391(c) and 1400(b) in that the acts and transactions complained of herein were conceived, carried out, made effective, and had effect within the State of California and within this district, among other places.
- Defendant resides in this judicial district by virtue of its business activities in this district,

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have committed acts of infringement in this judicial district, or have committed acts of

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contributory infringement and inducement of infringement within this judicial district.

NETWORK SIGNATURES LICENSES THE NAVY'S TECHNOLOGY

7. On April 23, 1996, the United States Patent & Trademark Office duly and legally issued United States Letters Patent No. 5,511,122 ("the '122 Patent"), entitled "Intermediate Network Authentication."

- 8. The '122 patent claims, among other things, a critical method of authenticating a computer in which a private electronic key is used, together with a validating public electronic key, to create a cryptographic signature, the cryptographic signature is transmitted in at least one packet to the validating computer, and the signature is verified by the validating computer using its private key and the public key of the computer to be authenticated. This authentication method allows for the safe and secure communication of sensitive information, such as personal, banking, commercial, financial, and other information, as is transmitted between computers by Defendant and its customers and users herein.
- 9. The '122 Patent is owned by the United States of America, as represented by the Secretary of the Navy. To allow enforcement, commercialization of and protection of this patent and the technology it represents, in September 2004, the United States Navy executed an exclusive license agreement with Metrix Services, Inc. ("Exclusive License Agreement") and, by this Exclusive License Agreement, expressly granted Metrix Services the exclusive right to practice, enforce, and sublicense, among other rights, the '122 Patent, subject to the general limitations imposed by federal law. A true and correct copy of the Exclusive License Agreement is attached hereto as Exhibit A and incorporated herein by reference. With the express approval of the United States Navy, Metrix Services transferred its entire right, title, and interest to, and in, the '122 Patent to Network Signatures on February 14, 2006. A true and correct copy of the First Amendment to the Exclusive License Agreement, which, among other things, approved the assignment of the Exclusive License Agreement to Network Signatures, is attached hereto as Exhibit B and

incorporated herein by reference. A true and correct copy of the Assignment from Metrix to Network Signatures is attached as Exhibit C and incorporated herein by reference.

- 10. Pursuant to its rights under the Exclusive License Agreement, Network Signatures has begun the commercial development of a product, known as EasyConnect, that utilizes the '122 Patent. Network Signatures has demonstrated the product to NRL personnel and has received NRL's recognition of its development efforts. A true and correct copy of an October 12, 2006, letter from the Navy to Network Signatures reflects this and is attached as Exhibit D and incorporated by reference herein.
- 11. Network Signatures has also begun exercising its other primary obligation under the Exclusive License Agreement: protecting the Navy's intellectual property rights from infringement.

FIRST CLAIM FOR RELIEF

AGAINST DEFENDANT FOR DIRECT, CONTRIBUTORY AND INDUCING INFRINGEMENT OF U.S. PATENT NO. 5,511,122

- 12. Plaintiff incorporates herein by reference the allegations set forth in paragraphs 1-11 of the Complaint as though fully set forth herein.
- 13. A true and correct copy of the '122 Patent is attached as Exhibit E and incorporated herein by reference. On information and belief, Defendant uses digital certificates and digital signatures implemented though the use of public key infrastructure to facilitate communication with its employees and customers. For example, Defendant enables a computer of a Defendant customer, affiliate, business partner, or employee ("sending computer") to send a secure communication over the Internet to another computer ("receiving computer") by using a confidential private key, and a public key, to digitally sign the message being sent. When the receiving computer receives the signed message, it uses the sending computer's public key, and its private key, to decrypt the signature (collectively referred to as "Defendant Authentication Activities").

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- By making, using, selling, and offering for sale Defendant Authentication 14. Activities, Defendant has directly infringed and continues to directly infringe the '122 Patent, including infringement under 35 U.S.C. § 271(a) and (f).
- On information and belief, Defendant has also indirectly infringed and 15. continues to indirectly infringe the '122 Patent by actively inducing direct infringement by other persons—specifically, customers and partners of Defendant—who operate methods that embody or otherwise practice one or more of the claims of the '122 Patent when Defendant had knowledge of the '122 Patent and knew or should have known that their actions would induce direct infringement by others and intended that their actions would induce direct infringement by others.
- On information and belief, Defendant has also indirectly infringed and 16. continues to indirectly infringe the '122 Patent by contributory infringement by providing non-staple articles of commerce to others for use in an infringing system or method with knowledge of the '122 Patent and knowledge that these non-staple articles of commerce are used as a material part of the claimed invention of the '122 Patent.
- 17. On information and belief, Defendant's foregoing acts of infringement include infringement by use and implementation of the Defendant Authentication Activities which are made part of their financial products and services.
- On information and belief, Defendant will continue to infringe the '122 Patent 18. unless enjoined by this Court.
- As a direct and proximate result of Defendant's infringement of the '122 Patent, Network Signatures and the United States Government have been and continue to be damaged in an amount yet to be determined.
- 20. Unless a preliminary and permanent injunction are issued enjoining Defendant and its officers, agents, servants and employees, and all others acting on their behalf or in concert with Defendant, from infringing the '122 Patent, Network Signatures, and the United States Government, will be greatly and irreparably harmed.

PRAYER FOR RELIEF

WHEREFORE, Plaintiff Network Signatures prays for judgment against Defendant as follows:

- (1) For a judicial determination and declaration that Defendant has directly infringed, and continues to directly infringe, United States Letters Patent No. 5,511,122;
- (2) For a judicial determination and declaration that Defendant has induced, and continues to induce, the infringement of United States Letters Patent No. 5,511,122;
- (3) For a judicial determination and declaration that Defendant has contributorily infringed, and continues to contributorily infringe, United States Letters Patent No. 5,511,122;
- (4) For a judicial determination and decree that Defendant, its respective subsidiaries, officers, agents, servants, employees, licensees, and all other persons or entities acting or attempting to act in active concert or participation with it or acting on its behalf, be preliminarily and permanently enjoined from further infringement of the '122 Patent;
- (5) For a declaration that Defendant notify all of its customers and users of the infringing system and customers' participation in the infringement with Defendant's encouragement, and that Defendant encourage customers to cease all such infringing actions;
- (6) For a judicial decree that orders Defendant to account for and pay to Network Signatures all damages caused to Network Signatures by reason of Defendant's infringement pursuant to 35 U.S.C. Section 284, including enhanced damages under 35 U.S.C. Section 285;
 - (7) For an award of damages according to proof at trial;
- (8) For a judicial declaration that this case is exceptional under 35 U.S.C. Section 285 and Defendant be ordered to pay Network Signatures' costs, expenses, and reasonable attorney's fees pursuant to 35 U.S.C. Sections 284 and 285;

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1	(9)	For a judicial	order a	wardin	g to Netwo	ork Signatu	res pre-ju	dgment a	and post-
2	 judgment in	terest on the da	ımages	caused	to it by De	efendant's	infringem	ent; and	
3	(11)	For any such of	other ar	nd furth	er relief as	the Court	may deen	n just and	d proper
4	under the cir	rcumstances.							
5									
6	Dated: Febr	ruary 1, 2011		ONE	LLP		_		1
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8				By:	N W	11 V			
9					Nate L. D.	Dilge# for Plaintil	f. Networ	k Signat	ures Inc.
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DEMAND FOR JURY TRIAL Plaintiff Network Signatures, Inc. hereby demands trial by jury in this action. Dated: February 1, 2011 ONE LLP By: Attorney for Plaintiff, Network Signatures, Inc.

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UNITED STATES DISTRICT COURT CENTRAL DISTRICT OF CALIFORNIA

NOTICE OF ASSIGNMENT TO UNITED STATES MAGISTRATE JUDGE FOR DISCOVERY

This case has been assigned to District Judge David O. Carter and the assigned discovery Magistrate Judge is Robert N. Block.

The case number on all documents filed with the Court should read as follows:

SACV11- 186 DOC (RNBx)

Pursuant to General Order 05-07 of the United States District Court for the Central District of California, the Magistrate Judge has been designated to hear discovery related motions.

All discovery related motions should be noticed on the calendar of the Magistrate Judg	ıdge	Magistrate J	the l	r of	calendar	on the	noticed	l he	should	motions	lated	discovery re	All
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NOTICE TO COUNSEL

HONGE TO COUNTER

A copy of this notice must be served with the summons and complaint on all defendants (if a removal action is filed, a copy of this notice must be served on all plaintiffs).

Subsequent documents must be filed at the following location:

Western Division 312 N. Spring St., Rm. G-8 Los Angeles, CA 90012	[X] Southern Division 411 West Fourth St., Rm. 1-053 Santa Ana, CA 92701-4516		Eastern Division 3470 Twelfth St., Rm. 13 Riverside, CA 92501
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Failure to file at the proper location will result in your documents being returned to you.

UNITED STATES I	DISTRICT COURT TOF CALIFORNIA
Network Signatures, Inc.,	
	SACV11-00186 DOC (RNBx)
PLAINTIFF(S)	·
V	
United Parcel Service General Services Co.	
	SUMMONS
DEFENDANT(S).	
must serve on the plaintiff an answer to the attached ☑ □ counterclaim □ cross-claim or a motion under Rule 1	2 of the Federal Rules of Civil Procedure. The answer ate L. Dilger of One LLP , whose address is lewport Beach, CA 92660 . If you fail to do so.
	AMY DeAVILA
Dated: February 2, 2011	By:
•	Deputy Clerk
	(Seal of the Court)
[Use 60 days if the defendant is the United States or a United State 60 days by Rule 12(a)(3)].	es agency, or is an officer or employee of the United States. Allowed
CV (14 (12/07) SUA	IMONS

I (n) PLAINTIFFS (Check box if you are representing yourself DEFENDANTS Notwork Signatures, Inc., DEFENDANTS United Parcel Services Co.								
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(b) Attorneys (Firm Name, Address and Telephone Number, If y yourself, provide same.)	ou are i	representing	Attorneys (1	fKnown)				
Nate L. Dilger (Bar No. 196203) ONE LLP		4.00440						
4000 MacArthur Blvd., West Tower, Suite 1100 Newport B	cacn. C							
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VI. CAUSE OF ACTION (Cite the U.S. Civil Statute under whi	-	_	rite a brief sta	tement of cause.	Do not c	ite jurisdictional st	atutes unless diver	sity.)
Patent Infringement under the Patent Act, 35 U.S.C. Section	s I et se	q.						
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CIVIL COVER SHEET

CV-71 (05/08)

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Page 1 of 2

UNITED STATES DISTRICT COURT, CENTRAL DISTRICT OF CALIFORNIA CIVIL COVER SHEET

VIII(a), IDENTICAL CASES: Has If yes, list case number(s):	this action been pre-	viously filed in this court an	d dismissed, remanded or closed? @No 🖸 Yes					
VIII(b). RELATED CASES: Have If yes, list case number(s): (See allac	nny cases been prev hment (A)	iously filed in this court that	t are related to the present case? 🗆 No 🖭 Yes					
□ B. C	Arise from the same Call for determinatio For other reasons wo	or closely related transaction n of the same or substantiall add entail substantial duplic	ns, happenings, or events; or ly related or similar questions of law and fact; or ation of labor if heard by different judges, or <u>and</u> one of the factors identified above in a, b or c also is present.					
IX. VENUE: (When completing the	following information	on, use an additional sheet if	necessory.)					
(a) List the County in this District C Check here if the government, its	California County ou s agencies or employ	state of this District; State is ves is a named plaintiff. If	f other than California; or Foreign Country, in which EACH named plaintiff resides. this box is checked, go to item (b).					
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* Los Angeles, Orange, San Bernar Note: In land condemnation cases, us			San Luis Obispo Counties					
X. SIGNATURE OF ATTORNEY (OR PRO PER):	·	Date February 1, 2011					
Notice to Counsel/Parties: The	e CV-71 (JS-44) Ci	vil Cover Sheet and the info	rmation contained herein neither replace nor supplement the filing and service of pleadings are of the United States in September 1974, is required pursuant to Local Rule 3-1 is not filed sting the civil docket sheet. (For more detailed instructions, see separate instructions sheet.)					
Key to Statistical codes relating to So	cial Security Cases:							
Nature of Suit Code	Abbreviation	Substantive Statement of Cause of Action						
861	НГА	All claims for health insurance benefits (Medicare) under Title 18. Part A. of the Social Security Act, as amended. Also, include claims by hospitals, skilled nursing facilities, etc., for certification as providers of services under the program. (42 U.S.C. 1935FF(b))						
862	BI.	All claims for "Black Lung" benefits under Title 4, Part B, of the Federal Coal Mine Health and Safety Act of 1969. (30 U.S.C. 923)						
863	DIWC	All claims filed by insure amended; plus all claims	ed workers for disability insurance benefits under Title 2 of the Social Security Act, as filed for child's insurance benefits based on disability. (42 U.S.C. 405(g))					
863	DIWW	All claims filed for widow Act, as amended. (42 U.S	ws or widowers insurance benefits based on disability under Title 2 of the Social Security S.C. 405(g))					
364	SSID	All claims for supplemental security income payments based upon disability filed under Title 16 of the Social Security Act, as amended.						
865	RSI	All claims for retirement (old age) and survivors benefits under Title 2 of the Social Security Act, as amended. (42 U.S.C. (g))						
CV-71 (05/08)		CIVIL	COVER SHEET Page 2 of 2					

ATTACHMENT A

8:08-cv-00776-JVS-RNB 2:09-cv-03767-JVS-RNB 2:09-cv-03764-JVS-RNB 2:09-cv-03760-JVS-RNB 8:09-cv-00206-JVS-RNB 8:08-cv-00776-JVS-RNB 8:08-cv-00779-JVS-RNB 8:08-cv-00775-JVS-RNB 8:09-cv-00197-JVS-RNB 8:08-cv-00778-JVS-RNB 8:08-cv-00779-JVS-RNB 8:08-cv-00775-JVS-RNB 8:08-cv-00777-JVS-MLG 8:09-cv-00375-JVS-RNB 8:09-cv-00206-JVS-RNB 8:09-cv-00197-JVS-RNB 8:09-cv-01028-JVS-RNB 8:09-cv-01029-JVS-RNB 8:09-cv-00376-JVS-RNB 8:09-cv-01334-JVS-RNB 8:09-cv-01333-JVS-RNB 8:10-cv-00667-JVS-RNB 2:10-cv-04612-JVS-RNB 2:10-cv-04613-JVS -RNB 2:10-cv-04610-JVS -RNB 8:10-cv-01210-JVS-RNB 8:10-cv-01211-JVS -RNB 8:10-cv-01209-JVS-RNB 8:10-cv-01639-CJC-JEM 8:10-cv-01640-CJC -MAN 8:08-cv-00718-DOC-RNB 8:08-cv-00718-DOC-RNB 8:09-cv-00196-AG-RNB 8:09-cv-01026-AG-RNB 8:10-cv-00666-AG-MLG 2:08-cv-06429-SJO-AJW 8:09-cv-00374-GW-PJW 2:10-cv-10-8171-CAS-FMOx 2:10-cv-10-8178-GHK-PJWx .2:10-cv-10-8172 PA-RZx 2:10-cv-10-8173-PSG-FMOx 8:11-cv-00110-JVS -RNB

8:11-cv-00109-JVS -RNB