# UNITED STATES PATENT AND TRADEMARK OFFICE BEFORE THE PATENT TRIAL AND APPEAL BOARD \_\_\_\_\_\_

APPLE INC. Petitioner,

v.

VIRNETX, INC. AND SCIENCE APPLICATION INTERNATIONAL CORPORATION,

Patent Owner

Patent No. 8,504,697 Issued: August 6, 2013 Filed: December 28, 2011 Inventors: Victor Larson, *et al.* 

Title: SYSTEM AND METHOD EMPLOYING AN AGILE NETWORK PROTOCOL FOR SECURE COMMUNICATIONS USING SECURE DOMAIN NAMES

\_\_\_\_

Inter Partes Review No. IPR2014-00237

PETITION FOR INTER PARTES REVIEW



#### TABLE OF CONTENTS

1.	INTER PARTES REVIEW 1					
	A.	Certification the '697 Patent May Be Contested by Petitioner				
	B.	Fee f	For Inter Partes Review (§ 42.15(a))	2		
	C.	Mandatory Notices (37 CFR § 42.8(b))				
		1.	Real Party in Interest (§ 42.8(b)(1))	2		
		2.	Other Proceedings (§ 42.8(b)(2))	2		
		3.	Designation of Lead and Backup Counsel	2		
		4.	Service Information (§ 42.8(b)(4))	2		
	D.	Proof	f of Service (§§ 42.6(e) and 42.105(a))	2		
II.			CATION OF CLAIMS BEING CHALLENGED  3))	2		
III.	RELEVANT INFORMATION CONCERNING THE CONTESTED PATENT					
	A.	Effective Filing Date and Prosecution History of the '697 patent 3				
	B.	Person of Ordinary Skill in the Art				
	C.	Cons	struction of Terms Used in the Claims	6		
		1.	Domain Name (Claims 1-11, 14-25, and 28-30)			
		2.	Secure Communication Link (Claims 1-11, 14-25, and 28-30)	7		
		3.	Secure Communications Service (Claims 1-11, 14-25, 28-30)	10		
		4.	Intercepting a request (Claims 1-11, 14-25, and 28-30)			
		5.	Modulation (Claims 6-7 and 20-21)	15		
IV.	PRECISE REASONS FOR RELIEF REQUESTED					
	A. Claims 1-11, 14-25, and 28-30 Are Anticipated by Beser					
		1.	Beser Anticipates Claims 1 and 16	16		
		2.	Beser Anticipates Claim 2 and 24	23		
		3.	Beser Anticipates Claim 3 and 17	24		



# Petition for Inter Partes Review of U.S. Patent No. 8,504,697

	4.	Beser Anticipates Claim 4 and 18	25		
	5.	Beser Anticipates Claims 5, 6, 7, 19, 20, and 21	26		
	6.	Beser Anticipates Claim 8, 9, 22 and 23	27		
	7.	Beser Anticipates Claim 10 and 29	28		
	8.	Beser Anticipates Claim 11 and 25	30		
	9.	Beser Anticipates Claim 14 and 28	30		
	10.	Beser Anticipates Claim 15 and 30	32		
B.	Beser In View of RFC 2401 Renders Obvious Claims 1-11, 14-25, and 28-30				
	1.	Claims 2 and 24 Would Have Been Obvious	33		
	2.	Dependent Claims 3 and 17 Would Have Been Obvious	37		
	3.	Claims 1, 16, 4-11, 16, 18-23, 25, and 28-30 Would Have Been Obvious	38		
C.	Claims 1-11, 14-25, and 28-30 Are Anticipated by RFC 2543				
	1.	RFC 2543 Anticipates Claims 1 and 16	39		
	2.	RFC 2543 Anticipates Claim 2 and 24	48		
	3.	RFC 2543 Anticipates Claim 3 and 17	49		
	4.	RFC 2543 Anticipates Claim 4 and 18	50		
	5.	RFC 2543 Anticipates Claim 5, 6, 7, 19, 20, and 21	50		
	6.	RFC 2543 Anticipates Claim 8, 9, 22, and 23	52		
	7.	RFC 2543 Anticipates Claim 10 and 29	53		
	8.	RFC 2543 Anticipates Claim 11 and 25	54		
	9.	RFC 2543 Anticipates Claim 14 and 28	54		
	10.	RFC 2543 Anticipates Claim 15 and 30	56		
D.	RFC 2543 In View of RFC 1889, RFC 2327 Renders Obvious Claims 1-11, 14-25, and 28-30				
	1.	Independent Claims 1 and 16 Would Have Been Obvious	56		
	2.	Dependent Claims 2-11, 14-15, 17-25, and 28-30 Would	57		



## Petition for Inter Partes Review of U.S. Patent No. 8,504,697

	E.	RFC 2543 In View of Mobility Support Using SIP Renders Obvious Claims 8-9 and 22-23	58	
V.	CONCLUSION			
		nt A. Proof of Service of the Petition nt B. List of Evidence and Exhibits Relied Upon in Petition		



# I. COMPLIANCE WITH REQUIREMENTS FOR A PETITION FOR INTER PARTES REVIEW

A. Certification the '697 Patent May Be Contested by Petitioner

Petitioner certifies that U.S. Patent No. 8,504,697 (the '697 patent) (Ex. 1001) is available for *inter partes* review. Petitioner certifies that it is not barred or estopped from requesting *inter partes* review of the claims of the '697 patent on the grounds identified in this Petition. Neither Petitioner, nor any party in privity with Petitioner, has filed a civil action challenging the validity of any claim of the '697 patent. The '697 patent has not been the subject of a prior *inter partes* review by Petitioner or a privy of Petitioner.

Petitioner also certifies this petition for *inter partes* review is filed within one year of the date of service of a complaint alleging infringement of a patent. On **August 5, 2013**, VirnetX filed a complaint in the Eastern District of Texas asserting the '697 patent in case No. 6:13-cv-00581. The case was dismissed without prejudice. On **August 27, 2013**, VirnetX amended its complaint in the 6:12:cv-00855 proceeding to add the '697 patent. Because the date of this petition is less than one year from **August 27, 2013**, this petition complies with 35 U.S.C. § 315(b). Petitioner also notes that the timing provisions of 35 U.S.C. § 311(c) and 37 C.F.R. § 42.102(a) do not apply to the '697 patent, as it pre-dates the first-to-file system. *See* Pub. L. 112-274 § 1(n), 126 Stat. 2456 (Jan. 14, 2013).



# DOCKET

# Explore Litigation Insights



Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

## **Real-Time Litigation Alerts**



Keep your litigation team up-to-date with **real-time** alerts and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

#### **Advanced Docket Research**



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

### **Analytics At Your Fingertips**



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

#### API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

#### **LAW FIRMS**

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

#### **FINANCIAL INSTITUTIONS**

Litigation and bankruptcy checks for companies and debtors.

#### **E-DISCOVERY AND LEGAL VENDORS**

Sync your system to PACER to automate legal marketing.

