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. 8,560,705
Issued: October 15, 2013
Filed: January 3, 2012
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. IPR2015-00870

Petition for Inter Partes Review of U.S. Patent No. 8,560,705

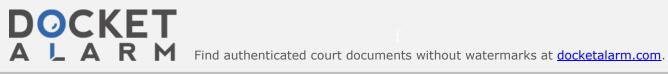


# **Table of Contents**

I.	Introduction1					
	A.	Cer	fication the '0705 Patent May Be Contested by Petitioner1			
	В.	Fee for Inter Partes Review (§ 42.15(a))				
	C.					
		1. Real Party in Interest (§ 42.8(b)(1))				
		2.	Other Proceedings (§ 42.8(b)(2))	2		
		3.	Lead and Backup Lead Counsel (§ 42.8(b)(3))	2		
		4.	Service Information (§ 42.8(b)(4))	2		
		5.	Proof of Service (§§ 42.6(e) and 42.105(a))	2		
II.	Ider	ntifica	tion of Claims Being Challenged (§ 42.104(b))	2		
III.	Relevant Information Concerning the Contested Patent3					
	A.	Ove	erview of the '0705 Patent	3		
		1.	The '0705 Patent Specification	3		
		2.	Representative Claims	5		
	В.	Patent Owner's Assertion of Related Patents				
	C.	Effective Filing Date				
	D.	The	The Person of Ordinary Skill in the Art			
	<b>E.</b>		im Construction			
		1.	"interception of a request"	9		
		2.	"domain name"	10		
		3.	"secure communication link"	11		
		4.	"phone"	12		
		5.	"secure communications service"	13		
		6.	"virtual private network link"	14		
		7.	"secure domain name"	15		
		8.	"modulated transmission link" / "unmodulated transmission link"	16		



IV.	Analysis of the Patentability of the '0705 Patent					
	A.	Overview of Beser (Ex. 1007)				
			a)	Request Containing a Unique Identifier	19	
			b)	Negotiation of Private IP Addresses	22	
	В.					
	C.	Ove	rview	of Brand (Ex. 1012)	26	
	D.	Beser (Ex. 1007) In View of RFC 2401 (Ex. 1008) Would Have Rendered Obvious Claims 1-23, 25-3026				
		1.	Enc	erson of Ordinary Skill Would Have Found It Obvious to rypt IP Traffic in the Beser Scheme Based on the Teachi Beser and RFC 2401	ngs	
		2.	Inde	ependent Claims 1 and 16 Would Have Been Obvious	34	
			a)	Claim 16 Preamble	34	
			b)	"facilitat[e/ing] a connection with the target device ov secure communication link"		
			c)	"created based on (i) interception of a request to loup an internet protocol (IP) address based on a domain name"		
			d)	"created based on (ii) a determination that a secure communication link can be established"	37	
			e)	"allow[ing] participation in audio/video communication over the secure communication link"		
			f)	Additional System Elements of Claim 1	41	
		3.	Clai	ims 2 and 17 Would Have Been Obvious	43	
		4.	Clai	ims 3 and 18 Would Have Been Obvious	43	
		5.	Clai	ims 14 and 29 Would Have Been Obvious	43	
		6.	Clai	ims 15 and 30 Would Have Been Obvious	44	
		7.	Clai	ims 4 and 20 Would Have Been Obvious	44	
		8.	Clai	ims 5 and 19 Would Have Been Obvious	46	
		9.	Clai	ims 6 and 21 Would Have Been Obvious	47	
		10	Cla	ime 7 and 22 Would Have Rean Obvious	10	



<b>T</b> 7	Con	olucior	1	56
	E. F.	Have Rendered Obvious Claim 24		
		14.	Claims 12 and 27 Would Have Been Obvious	53
		13.	Claims 10, 11, 25 and 26 Would Have Been Obvious	51
		12.	Claim 9 and 23 Would Have Been Obvious	51
		11.	Claim 8 Would Have Been Obvious	49



#### I. Introduction

## A. Certification the '0705 Patent May Be Contested by Petitioner

Petitioner certifies that U.S. Patent No. 8,560,705 (Ex. 1050) (the '0705 patent) is available for *inter partes* review. Petitioner also certifies it is not barred or estopped from requesting *inter partes* review of the claims of the '0705 patent. Neither Petitioner, nor any party in privity with Petitioner, has filed a civil action challenging the validity of any claim of the '0705 patent. The '0705 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 timely filed as it has never been asserted against Petitioner in litigation. Thus, because there is no patent owner's action, 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 '0705 patent, as it pre-dates the first-to-file system. *See* Pub. L. 112-274 § 1(n), 126 Stat. 2456 (Jan. 14, 2013).

## B. Fee for Inter Partes Review (§ 42.15(a))

The Director is authorized to charge the fee specified by 37 CFR § 42.15(a) to Deposit Account No. 50-1597.

## C. Mandatory Notices (37 CFR § 42.8(b))

## **1.** Real Party in Interest (§ 42.8(b)(1))

The real party in interest of this petition pursuant to § 42.8(b)(1) is Apple Inc. ("Apple") located at One Infinite Loop, Cupertino, CA 95014.



# 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.

