Paper No. 1

UNITED STATES PATENT AND TRADEMARK OFFICE BEFORE THE PATENT TRIAL AND APPEAL BOARD

RPX CORPORATION,
Petitioner,
v.

VIRNETX, INC. AND SCIENCE APPLICATION INTERNATIONAL CORPORATION, Patent Owner

Patent No. 7,490,151 Issued: Feb. 10, 2009 Filed: Sep. 30, 2002

Inventors: Edmund C. Munger, et al

Title: Establishment of a Secure Communication Link Based Domain Name

Service (DNS) Request

Inter Partes Review No. IPR2014-00173

PETITION FOR INTER PARTES REVIEW

RPX Corporation Exhibit 1078





TABLE OF CONTENTS

I.	Compliance With Requirements For A Petition For <i>Inter</i> Partes Review1						
	A.	Certification the '151 Patent May Be Contested by Petitioner1					
	В.	·					
II.	Mandatory Notices (37 CFR § 42.8(b))1						
	A.	Real Party in interest (§ 42.8(b)(1)) 1					
	В.	Other Proceedings (§ 42.8(b)(2))4					
	C.	Designation of Lead and Backup Counsel4					
	D.	Service Information (§42.8(b)(4))5					
	E.	Proof of Service (§§ 42.6(e) and 42.105(a))5					
III.	Idei	ntifica	tion of Claims Being Challenged (§ 42.104(b))	5			
IV.	Relevant Information Concerning the Contested Patent						
	A.	Effective Filing Date and Prosecution History of the '151 patent 6					
	В.	. Person of Ordinary Skill in the Art					
	C.	Con	struction of Terms Used in the Claims	8			
		1.	Domain Name Server (Claims 1-16)	9			
		2.	Domain Name	10			
		3.	Domain Name Server (DNS) Proxy Module (Claims 1, 7)	10			
		4.	DNS Request (Claims 1-16)	10			
		5.	Domain Name Server Module (Claim 13)	11			
		6.	Secure Server (Claims 1-16)	11			
		7.	IP Address Hopping Scheme (Claims 5 and 11)	11			
		8.	Automatically Initiating/Creating an Encrypted Channel (Claims 1-16)	12			
		9.	Client (Claims 1-16)	13			
		10.	Determining (Claims 1, 2, 7, 8, 13, and 14)	13			
		11.	Forwarding the DNS Request (Claims 1, 7, and 13)	14			



		12.	Intercepting (Claims 1, 7, and 13)	14		
V.	Precise Reasons for Relief Requested					
	A.	Clai	ms 1-16 Are Anticipated By Aventail (Ex. 1007)	14		
		1.	Aventail Anticipates Claim 1	14		
		2.	Aventail Anticipates Claim 7	18		
		3.	Aventail Anticipates Claim 13			
		4.	Aventail Anticipates Claim 2, 8 and 14	23		
		5.	Aventail Anticipates Claim 3, 9 and 15	25		
		6.	Aventail Anticipates Claims 4, 10 and 16	27		
		7.	Aventail Anticipates Claim 5 and 11	28		
		8.	Aventail Anticipates Claim 6 and 12	29		
	В.		ntail Connect In View of Aventail Extranet Center R ms 1-16 Obvious			
	C.	Aventail in View of RFC 1035 Render Claims 3, 9 and 15 Obvious 30				
	D.	Aventail In View of Reed I Renders Claims 5 and 11 Obvious32				
	E.	Clai 35	ms 1-16 Are Anticipated by U.S. Patent No. 6,496,867	7 (Beser)		
		1.	Beser Anticipates Claim 1	35		
		2.	Beser Anticipates Claim 7	39		
		3.	Beser Anticipates Claim 13	41		
		4.	Beser Anticipates Claims 2, 8, and 14			
		5.	Beser anticipates Claims 3, 9, and 15	44		
		6.	Beser Anticipates Claims 4, 10 and 16	45		
		7.	Beser Anticipates Claims 5 and 11	46		
		8.	Beser Anticipates Claims 6 and 12	46		
	F.	Bese	er in View of RFC 2401 Renders Obvious Claims 1-10	548		
		1.	Claims 1, 7, and 13 Would Have Been Obvious	50		
		2.	Dependent Claims 2-6, 8-12, and 14-16	53		
		3.	Dependent Claims 5 and 11	53		



	G.	Beser in View of Blum Renders Obvious Claims 1-1655				
		1.	Claims 1, 7, and 13 Would Have Been Obvious	55		
		2.	Claims 2-6, 8-12, and 14-16 Would Have Been Obvious	58		
	Н.	H. Beser in View of RFC 2401, and Further in View of B Claims 1-16 Obvious				
	I.	Cla	ims 1-4, 7-10, and 13-16 Are Anticipated by <u>Kiuchi</u>	60		
		1.	Kiuchi Anticipates Claim 1	60		
		2.	Kiuchi Anticipates Claim 7	67		
		3.	Kiuchi Anticipates Claim 13	69		
		4.	Kiuchi Anticipates Claims 2, 8, and 14	71		
		5.	Kiuchi Anticipates Claims 3, 9, and 15	73		
		6.	Kiuchi Anticipates Claims 4, 10 and 16	74		
	J.	Claims 1-4, 7-10, and 13-16 Are Obvious Based on Kiuchi of RFC 1034				
VI.	Con	clusio	on	77		

Attachment A. Proof of Service of the Petition

Attachment B. List of Evidence and Exhibits Relied Upon in Petition



I. Compliance With Requirements For A Petition For *Inter Partes* Review

A. Certification the '151 Patent May Be Contested by Petitioner

Petitioner certifies that U.S. Patent No. 7,490,151 (the '151 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 '151 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 '151 patent. As explained below, the '151 patent has not been the subject of a prior *inter partes* review by Petitioner or a privy of Petitioner, and neither Petitioner, nor any party in privity with Petitioner, has been served with a complaint alleging infringement of any claim of the '151 patent.

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. 20-0780.

II. Mandatory Notices (37 CFR § 42.8(b))

A. Real Party in interest ($\S 42.8(b)(1)$)

The real party in interest of this petition pursuant to § 42.8(b)(1) is RPX Corporation ("RPX") located at One Market Plaza, Steuart Tower, Suite 800, San Francisco, California 94105.

RPX is the leading provider of patent risk solutions, offering defensive buying, acquisition syndication, patent intelligence, insurance services, and



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.

