# Exhibit 1002 (corrected)

**DOCKET A L A R M** Find authenticated court documents without watermarks at <u>docketalarm.com</u>.

### UNITED STATES PATENT AND TRADEMARK OFFICE

### BEFORE THE PATENT TRIAL AND APPEAL BOARD

### LG ELECTRONICS, INC., et al., Petitioners

v.

### STRAIGHT PATH IP GROUP, INC. (FORMERLY KNOWN AS INNOVATIVE COMMUNICATIONS TECHNOLOGIES, INC.) Patent Owner

*INTER PARTES* REVIEW OF U.S. PATENT NO. 6,009,469 Case IPR No.: *To Be Assigned* 

### **DECLARATION OF BRUCE M. MAGGS, PH.D.**

### **TABLE OF CONTENTS**

I.	PERSONAL AND PROFESSIONAL BACKGROUND1						
II.	MATERIALS REVIEWED AND CONSIDERED4						
III.	THE	IE BASICS OF NETWORK COMMUNICATION					
	A.	Computer Network Hardware Configurations					
	B.	Network Protocols					
	C.	Assigning Network Addresses to Devices					
	D.	Mapping Names to IP Addresses13					
	E.	Looking Up the IP Address of a Network Device, Including Those With Dynamically Assigned Addresses					
	F.	Point-to-Point Communications17					
	G.	User Interfaces					
IV.	SUMMARY OF THE '469 PATENT						
	A.	Summary of the Alleged Invention19					
		1. Step 1: Processing Units Obtain Dynamically Assigned IP Addresses					
		2. Step 2: Processing Units Register Their IP Addresses and Identifiers with a Connection Server					
		3. Steps 3 & 4: First Processing Unit Sends Query to Connection Server, Which Returns IP Address of Second Processing Unit					
		4. Step 5: First Processing Unit Uses Received IP Address to Establish Point-to-Point Communication with Second Processing Unit					
		5. Using a "User Interface" to Control the Process					
	B.	Original Prosecution of the '469 patent2					
	C.	Prior <i>Ex Parte</i> Reexamination of the '469 patent24					
	D. The Sipnet <i>Inter Partes</i> Review for the '704 Patent						
V.	OVERVIEW OF THE PRIMARY PRIOR ART REFERENCES27						
	A. WINS (Ex. 1003)27						

		1.	Step 1: Processing Units Obtain Dynamically Assigned IP Addresses from DHCP Servers	28			
		2.	Step 2: Processing Units Register Their IP Addresses and Identifiers with the WINS Server	30			
		3.	Steps 3 & 4: First Processing Unit Sends Query to WINS Server and Receives the IP Address of the Second Processing Unit	34			
		4.	Step 5: First Processing Unit Uses Received IP Address to Establish Point-to-Point Communication with Second Processing Unit	35			
	B.	NetBIOS (Ex. 1004)					
		1.	Step 1: Processing Units Have Assigned IP Addresses	37			
		2.	Step 2: Processing Units Register Their IP Addresses and Identifiers with the NBNS	38			
		3.	Steps 3 & 4: First Processing Unit Sends Query to the NBNS and Receives the IP Address of the Second Processing Unit	39			
		4.	Step 5: First Processing Unit Uses Received IP Address to Establish Point-to-Point Communications with Second Processing Unit	40			
	C.	Pinar	d (Ex. 1020)	41			
VI.	SPECIFIC GROUNDS FOR PETITION						
	A.	Claims 1-3, 5-6, 9-10, 14, and 17-18 Would Have Been Obvious Over WINS, NetBIOS, and Pinard					
		1.	Level of Ordinary Skill in the Art	48			
		2.	One Skilled in the Art Would Have Been Motivated to Combine WINS, NetBIOS and Pinard	49			
		3.	Claim 1 (Independent)	51			
		4.	Claim 2 (Depends From Claim 1)	59			
		5.	Claim 3 (Depends From Claim 2)	60			
		6.	Claim 9 (Independent)	63			
		7.	Claim 10 (Depends From Claims 8/9)	67			
		8.	Claim 14 (Depends From Claim 9)	68			
		9.	Claim 17 (Depends From Claim 9)	70			

		10.	Claim 18 (Depends From Claim 17)	.71		
	В.	Ground II: Claims 5 and 6 Would Have Been Obvious Ove WINS and NetBIOS.				
		1.	One Skilled in the Art Would Have Been Motivated to Combine WINS and NetBIOS	72		
		2.	Claim 5 (Independent)	72		
		3.	Claim 6 (Depend From Claim 5)	.73		
VII.	CON	CLUS	ION	74		

### DOCKET A L A R M



## 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.