UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

NOKIA CORP. and NOKIA OF AMERICA CORP.

Petitioners

v.

PACKET INTELLIGENCE LLC,

Patent Owner

In re Inter Partes Review of:

U.S. Patent Nos. 6,651,099, 6,665,725, 6,771,646, 6,839,751, and 6,954,789

DECLARATION OF DR. KEVIN JEFFAY

Mail Stop PATENT BOARD Patent Trial and Appeal Board US Patent and Trademark Office PO Box 1450 Alexandria, Virginia 22313-1450

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TABLE OF CONTENTS

I.	INTRODUCTION					
II.	BACKGROUND					
III.	STATEMENT OF LEGAL PRINCIPALS					
	Anticipation					
	6. Obviousness					
IV. SUMMARY OF THE CHALLENGED PATENTS						
	. Overview of the Technology					
	1. Network Protocols and Protocol Layering					
	2. Network Packets					
	3. Monitoring Network Traffic					
	4. Control and Data Transmission in Network Protocols					
]	. Overview of the Challenged Patents					
	1. "Connection Flow" vs. "Conversational Flow"					
	2. The '099 Patent					
	3. The '725 Patent					
	4. The '646 Patent	59				
	5. The '751 Patent					
	6. The '789 Patent					
(2. The Prosecution History of the Challenged Patents					
	1. The Prosecution History of the '099 Patent					
	2. The Prosecution History of the '725 Patent	67				
	3. The Prosecution History of the '646 Patent					
	4. The Prosecution History of the '751 Patent	72				
	5. The Prosecution History of the '789 Patent	74				
]	D. Prior Inter Partes Reviews					
]	German Nullity Proceeding	77				
V.						
	. "Conversational Flow[s]" or "Conversational Flow Sequence					
	1. Examples of "Conversational Flows"					
	2. Dispute over the Scope of "Conversational Flow[s]" or					
	"Conversational Flow Sequence"					
	B. "State of the Flow"					
	State Operations"					
	0. "Flow-entry database"					
]	"Parser Record"					

F.	"Child F	Protocol"	109
G.	"Parsing	g/Extraction Operations"	109
Н.	Means-I	Plus-Function Terms	109
VI. O	VERVIE	W OF THE CHALLENGES	113
А.	Level of	f Ordinary Skill in the Art	113
В.	Priority	Date	115
C.	Prior Ar	tt	115
	1. Rid	dle	115
	a)	Summary of the Problem and Solution	117
	b)	The Operation of Riddle	120
		eriton	
	3. RF0	C 1945 - Hypertext Transfer Protocol HTTP/1.0	133
	4. RF0 139	C 1889 - RTP: A Transport Protocol for Real-Time Applica	ations
	5. RFC 2326 - Real Time Streaming Protocol (RTSP)		142
	6. Baker		144
	7. Wa	keman	148
	8. Bru	iins	154
	9. Has	sani	156
D.	Summar	ry of the Challenges	157
		MS OF THE '099 PATENT ARE UNPATENTABLE	158
А.		9 Patent Count 1: Riddle in View of Cheriton and Bruins	150
		claims 1, 2, 4, and 5 Obvious	
		im 1	
	a)	Limitation [1 Pre] "A packet monitor for examining pack passing through a connection point on a computer networ real-time, the packets provided to the packet monitor via packet acquisition device connected to the connection point the packet monitor comprising:"	⁺k in a int,
	b)	Limitation [1a] "(a) a packet-buffer memory configured accept a packet from the packet acquisition device;"	
	c)	Limitation [1b] "(b) a parsing/extraction operations memory configured to store a database of parsing/extraction operation that includes information describing how to determine at one of the protocols used in a packet from data in the pac	ory tions least ket;"
	d)	Limitation [1c] "(c) a parser subsystem coupled to the par buffer and to the pattern/extraction operations memory, the parser subsystem configured to examine the packet accept	cket he

by the buffer, extract selected portions of the accepted packet, and form a function of the selected portions sufficient to identify that the accepted packet is part of a conversational flow-sequence;".....176 Riddle identifies "conversational flow[s]" or (1)"conversational flow-sequences" through Riddle's disclosure of "service aggregates"......178 Riddle identifies "conversational flow[s]" or (2)"conversational flow-sequences" through Riddle's ability e) Limitation [1d] "(d) a memory storing a flow-entry database including a plurality of flow-entries for conversational flows Limitation [1e] "(e) a lookup engine connected to the parser f) subsystem and to the flow-entry database, and configured to determine using at least some of the selected portions of the accepted packet if there is an entry in the flow-entry database for the conversational flow sequence of the accepted packet;" Limitation [1f] "(f) a state patterns/operations memory **g**) configured to store a set of predefined state transition patterns and state operations such that traversing a particular transition pattern as a result of a particular conversational flow-sequence of packets indicates that the particular conversational flowsequence is associated with the operation of a particular application program, visiting each state in a traversal including carrying out none or more predefined state operations;" 200 Limitation [1g] "(g) a protocol/state identification mechanism h) coupled to the state patterns/operations memory and to the lookup engine, the protocol/state identification engine configured to determine the protocol and state of the i) Limitation [1h] "(h) a state processor coupled to the flow-entry database, the protocol/state identification engine, and to the state patterns/operations memory, the state processor, configured to carry out any state operations specified in the state patterns/operations memory for the protocol and state of

j) Limitation [1i] "the carrying out of the state operations furthering the process of identifying which application

	program is associated with the conversational flow-sequence of the packet, the state processor progressing through a series of states and state operations until there are no more state operations to perform for the accepted packet, in which case the state processor updates the flow-entry, or until a final state is reached that indicates that no more analysis of the flow is			
	required, in which case the result of the analysis is			
	announced."			
	im 2			
a)	Limitation [2] "A packet monitor according to claim 1,			
	wherein the flow-entry includes the state of the flow, such that			
	the protocol/state identification mechanism determines the state of the packet from the flow-entry in the case that the			
	lookup engine finds a flow-entry for the flow of the accepted			
	packet."			
3. Claim 4				
a)	Limitation [4a] "A packet monitor according to claim 1,			
	further comprising: a compiler processor coupled to the			
	parsing/extraction operations memory, the compiler processor			
1 \	configured to run a compilation process that includes:" 225			
b)	Limitation [4b] "receiving commands in a high-level protocol			
	description language that describe the protocols that may be used in packets encountered by the monitor, and"			
c)	Limitation [4c] "translating the protocol description language			
0)	commands into a plurality of parsing/extraction operations that			
	are initialized into the parsing/extraction operations memory."			
4. Claim 5				
a)	Limitation [5a] "A packet monitor according to claim 4,			
	wherein the protocol description language commands also			
	describe a correspondence between a set of one or more			
	application programs and the state transition patterns/operations that occur as a result of particular			
	conversational flow-sequences associated with an application			
	program, "			
b)	Limitation [5b] "wherein the compilation process further			
,	includes translating the protocol description language			
	commands into a plurality of state patterns and state operations			
	that are initialized into the state patterns/operations memory."			

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