### UNITED STATES PATENT AND TRADEMARK OFFICE

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### BEFORE THE PATENT TRIAL AND APPEAL BOARD

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# NOKIA CORP. AND NOKIA OF AMERICA CORP. Petitioners

V.

# PACKET INTELLIGENCE LLC,

Patent Owner

\_\_\_\_\_\_

Case: IPR2019-01289

U.S. Patent No. 6,839,751

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# PETITION FOR *INTER PARTES* REVIEW UNDER 35 U.S.C. §311-319 AND 37 C.F.R. §42

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	5. Ri C 2520 Real Time Sucanning Hotocol (R151)	50		



A.	Count 1	: Claims 1, 2, 5, 10, 14 and 15 are Anticipated by Riddle or
	Render	ed Obvious by Riddle in view of Bruins32
	1.	Claim 1
	a)	Limitation [1 Pre] "A method of analyzing a flow of packets
		passing through a connection point on a computer network, the
		method comprising:"
	b)	Limitation [1a] "(a) receiving a packet from a packet
		acquisition device coupled to the connection point;"34
	c)	Limitation [1b(i)] "(b) for each received packet, looking up a
		flow-entry database for containing one or more flow-entries for
		previously encountered conversational flows, the looking up to
	1	determine if the received packet is of an existing flow,"35
	d)	Limitation [1b(ii)] "a conversational flow including an
		exchange of a sequence of one or more packets in any
		direction between two network entities as a result of a
		particular activity using a particular layered set of one or more
		network protocols, a conversational flow further having a set
	2)	of one or more states, including an initial state;"
	e)	Limitation [1c] "(c) if the packet is of an existing flow, identifying the last encountered state of the flow, performing
		any state operations specified for the state of the flow, and
		updating the flow-entry of the existing flow including storing
		one or more statistical measures kept in the flow-entry; and "47
	f)	Limitation [1d] "(d) if the packet is of a new flow, performing
	1)	any state operations required for the initial state of the new
		flow and storing a new flow-entry for the new flow in the
		flow-entry database, including storing one or more statistical
		measures kept in the flow-entry,"
	g)	Limitation [1e] "wherein every packet passing though the
	<b>C</b> )	connection point is received by the packet acquisition device,
		and"51
	h)	Limitation [1f] "wherein at least one step of the set consisting
	,	of of [sic] step (a) and step (b) includes identifying the
		protocol being used in the packet from a plurality of protocols
		at a plurality of protocol layer levels,"52
	i)	Limitation [1g] "such that the flow-entry database is to store
		flow entries for a plurality of conversational flows using a
		plurality of protocols, at a plurality of layer levels, including
		levels above the network layer."55
	2.	Claim 2



	a)	Limitation [2a] "A method according to claim 1, wherein step	
		(b) includes extracting identifying portions from the packet,"5	
	b)	Limitation [2b] "wherein the extracting at any layer level is a	
		function of the protocol being used at the layer level, and"5	6
	c)	Limitation [2c] "wherein the looking up uses a function of the	;
	,	identifying portions."5	7
	3.	Claim 5	8
	a)	Limitation [5] "A method according to claim 1, further	
	,	including reporting one or more metrics related to the flow of	a
		flow-entry from one or more of the statistical measures in the	
		flow-entry."5	
	4.	Claim 10	
	a)	Limitation [10a] "A method according to claim 1, wherein ste	
	u)	(c) includes if the packet is of an existing flow, identifying the	_
		last encountered state of the flow and performing any state	
		operations specified for the state of the flow starting from the	
		last encountered state of the flow; and"	
	b)	Limitation [10b] "wherein step (d) includes if the packet is of	
	0)	new flow, performing any state operations required for the	а
		initial state of the new flow."5	C
	5.		
	a)	Limitation [14] "A method according to claim 10, wherein the	,
		state operations include updating the flow-entry, including	
		storing identifying information for future packets to be	
	6	identified with the flow-entry."	
	6.	Claim 15	,(
	a)	Limitation [15] "A method according to claim 14, further	
		including receiving further packets, wherein the state	
		processing of each received packet of a flow furthers the	
_		identifying of the application program of the flow."	C
В		Riddle in View of Bruins and Further in View of RFC 1945	
		Claims 1, 2, 5, 10, 14, and 15 as Obvious	)2
C		Riddle in View of Bruins and Further in View of RFC 1889	
	and RFC	2326 Renders Claims 1, 2, 5, 10, 14, and 15 as Obvious6	,9
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