UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

JUNIPER NETWORKS, INC., Petitioner

V.

PARITY NETWORKS, LLC, Patent Owner

Case No.: To Be Assigned Patent No.: 6,831,891

DECLARATION OF DR. NICHOLAS BAMBOS



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| i. | Preamble: "A method for managing data traffic at a switching element in a fabric network, the switching element having two or more internally coupled ports" |
|------|---|
| ii. | Limitation 1[A]: "(a) establishing at each input port, a number of virtual output queues equal to the number of output ports, each virtual output queue at each individual input port dedicated to an individual output port, storing only packets destined for the associated output port, for managing incoming data traffic" |
| iii. | Limitation 1[B]: "(b) accepting or discarding data at each virtual output queue directed to a queue according to a quantity of data in the queue relative to queue capacity by providing a queue manager for monitoring quantity of queued data in relation to a preset threshold, and discarding data from each virtual output queue at a predetermined rate, when the quantity of queued data reaches or exceeds the threshold" |
| iv. | Limitation 1[C]: "wherein in step (b), the queue manager increases the rate of discarding as quantity of queued data increases above the preset threshold" |
| V. | Limitation 1[D]: "discarding all data traffic when the queue is full" |
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| ii. | Limitation 3[A]: "a plurality of input and output ports" |
| iii. | Limitation 3[B]: "a number of virtual output queues at each input port equal to the number of |



3.

| | | output ports, each virtual output queue at each individual input port dedicated to an individual output port, storing only packets destined for the associated output port, for managing incoming data traffic" | 48 | | |
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| | iv. | Limitation 3[C]: "characterized in that a queue manager accepts or discards data directed to a queue according to a quantity of data in the queue relative to the queue capacity by monitoring quantity of queued data against a preset threshold, and discarding data from each virtual output queue at a predetermined rate, when the quantity of queued data reaches or exceeds the threshold" | 48 | | |
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| | | iv. | Limitation 1[C]: "wherein in step (b), the queue manager increases the rate of discarding as | | | | |



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