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(57) Abstract :

A flow communication system has: a node having a flow table; and a controller configured to set a flow entry in the flow table. Each flow entry that is set in the flow table specifies packet processing which is performed with respect to a packet matching a match condition. If a hit entry exists in the flow table the node performs the packet processing specified by the hit entry with respect to a received packet. If a deletion condition with regard to a first flow entry in the flow table is satisfied the node deletes the first flow entry from the flow table. The deletion condition includes that a sum of packet lengths of all the received packets matching the first flow entry after the first flow entry is set up exceeds a predetermined deletion unit length.

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