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(57) Abstract :

Embodiments of the present disclosure relates to a system (100) and method (300) for forwarding packets with a hierarchically structured variable-length identifier. In an aspect, the system comprises a processor (202) coupled to a memory (204). The memory (204) stores processor-executable instructions. The processor (202) is configured to receive the one or more packets with a hierarchically structured variable-length identifier from a source node. Further, the processor (202) is configured to determine a destination node of the one or more packets based on the hierarchically structured variable-length identifier. Next, the processor (202) is configured to map the hierarchically structured variable-length identifier to a next hop specified in a forwarding table. In the end, the processor (202) is configured to forward the one or more packets to the destination node based on the forwarding tab.

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