



(54) **AUTONOMOUS PATH CONSTRUCTION AND ROUTING**

(57) **ABSTRACT**

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Various example embodiments for supporting autonomous path construction and routing in a communication network are presented. Various example embodiments for supporting autonomous path construction and routing in a communication network may be configured to support autonomous path construction based on flooding of path state advertisements within the communication network. Various example embodiments for supporting autonomous path construction and routing in a communication network may be configured to support autonomous path construction based on flooding of path state advertisements including information supporting construction of full sets of loop-free unequal cost paths between all pairs of network elements in the communication network. Various example embodiments for supporting autonomous path construction and routing in a communication network may be configured to support routing based on autonomously constructed paths that include loop-free unequal cost paths between pairs of network elements in the communication network.

