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(54) Title: MECHANISM FOR PROVIDING EARLY COHERENCY DETECTION TO ENABLE HIGH PERFORMANCE
MEMORY UPDATES IN A LATENCY SENSITIVE MULTITHREADED ENVIRONMENT

(57) Abstract: Stored units of information related to packet processing are associated with identifiers, each of which is maintained
as an entry in a Content Addressable Memory (CAM). Each entry includes status information associated with the information unit
with which the identifier is associated. The status information is used to determine validity of the information unit with which the
status information is associated.



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