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(54) **DATA FLOW TABLE, METHOD AND
DEVICE FOR PROCESSING DATA FLOW
TABLE, AND STORAGE MEDIUM**

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(57) **ABSTRACT**

Disclosed are a data flow table for high-speed large-scale concurrent data flows, method and apparatus for processing the data flow table, and a storage medium. The method includes: acquiring, according to a data flow identifier of a data flow to be inserted, addresses of candidate buckets in a fingerprint table and a data flow fingerprint; detecting whether there is an idle unit in the candidate buckets in the fingerprint table, if there is an idle unit, selecting the candidate bucket having the idle unit as target bucket; and sequentially searching for the idle unit from bottom unit to top unit of the target bucket, and when the idle unit is found in the target bucket, writing data flow fingerprint of said data flow into the found idle unit, and writing data flow record of said data flow into a recording bucket corresponding to the candidate bucket.

