

TIMESTAMP ALLOCATION METHOD AND APPARATUS FOR DISTRIBUTED DATABASE

ABSTRACT

This specification proposes a timestamp allocation method and apparatus for a distributed
5 database. Nodes of the distributed database include a timing node and an ordinary node, the method
is applied to any node, and the method may include: committing a corresponding to-be-timed
transaction in response to a received transaction commission request, and recording a start-to-
commit moment of the to-be-timed transaction; querying for a timing request sending moment at
which the any node sends a timing request to the timing node for another transaction; and when a
10 timing request sending moment of any other transaction is not earlier than the start-to-commit
moment of the to-be-timed transaction, allocating, to the to-be-timed transaction, a timestamp fed
back by the timing node for the any other transaction. According to the technical solutions of this
specification, a frequency at which each node sends a timestamp obtaining request to the timing
node can be effectively reduced, so that load of the timing node is reduced, a problem that the
15 timing node takes a long time to return a timing response due to overload of the timing node is
avoided, and processing efficiency of each transaction is improved.

FIG. 2

20