

METHODS AND APPARATUSES FOR WRITING AND SEARCHING VECTOR DATA IN VECTOR DATABASE

ABSTRACT

Embodiments of this specification provide methods and apparatuses for writing and searching
5 vector data in a vector database. The method for writing vector data into a vector database includes:
receiving a write request for target vector data; adding index update information corresponding to
the target vector data to a dynamic first index of a vector database in a memory table, where the
first index is a memory-based real-time read-write vector graph index; when the memory table is
refreshed to a disk, storing the index update information of the dynamic first index in the memory
10 table into a distributed file system to obtain a static first index; and converting the static first index
in the distributed file system into a second index, where the second index is a disk-based low-cost
vector graph index. Both real-time performance and storage costs can be considered.

FIG. 2

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