

QUERY PROCESSING METHOD AND APPARATUS

ABSTRACT

Implementations of the present specification provide a query processing method and apparatus. The method includes: first, determining query types of L queries to be performed on
5 a target dataset, where the target dataset includes data of a business object; next, determining query sensitivity of each query type of the query types for the target dataset; and then, determining, based on the query sensitivity corresponding to each query and a privacy budget parameter predetermined for a total set of the L queries, a noise power allocated to each query. Based on this, for a target query in the L queries, an actually returned result of the target query
10 can be determined as an original query result of the target query added with a target noise sampled from target noise distribution of differential privacy, where the target noise distribution is determined based on the noise power allocated to the target query. As such, privacy of the target dataset can be protected.

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FIG. 1