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(81) 指定国(除另有指明，要求每一种可提供的国家保护): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU,

(54) **Title:** GRAPH DATABASE SYSTEM AND QUERY METHOD THEREFOR

(54) 发明名称: 图数据库系统及其查询方法

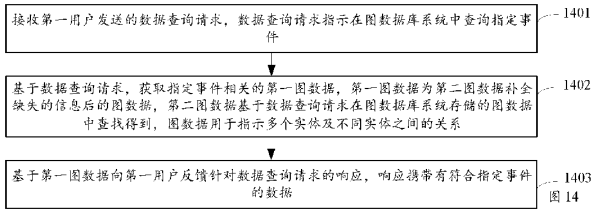


图 14

1401 Receive a data query request sent by a first user, wherein the data query request instructs to query a specified event in a graph database system

1402 On the basis of the data query request, acquire first graph data related to the specified event, wherein the first graph data is graph data after missing information of second graph data is supplemented, the second graph data is retrieved, on the basis of the data query request, from graph data stored in the graph database system, and the graph data is used for indicating a plurality of entities and the relationship between different entities

1403 Feed back a response for the data query request to the first user on the basis of the first graph data, wherein the response carries data conforming to the specified event

(57) **Abstract:** The present application belongs to the technical field of databases. Disclosed are a graph database system and a query method therefor. The graph database system comprises: an interaction module, which is used for receiving a data query request sent by a first user, wherein the data query request instructs to query a specified event in a graph database system; and a processing module, which is used for acquiring, on the basis of the data query request, first graph data related to the specified event, wherein the first graph data is graph data after missing information of second graph data is supplemented, the second graph data is retrieved, on the basis of the data query request, from graph data stored in the graph database system, and the graph data is used for indicating a plurality of entities and the relationship between different entities; and the interaction module is further used for feeding back a response for the data query request to the first user on the basis of the first graph data, the response carrying data conforming to the specified event. The present application facilitates an improvement in the accuracy of a query result from a graph database system.

WO 2025/185291 A1

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本国际公布:
— 包括国际检索报告(条约第21条(3))。

(57) 摘要: 本申请公开了一种图数据库系统及其查询方法，属于数据库技术领域。该图数据库系统包括：交互模块，用于接收第一用户发送的数据查询请求，数据查询请求指示在图数据库系统中查询指定事件；处理模块，用于基于数据查询请求，获取指定事件相关的第一图数据，第一图数据为第二图数据补全缺失的信息后的图数据，第二图数据基于数据查询请求在图数据库系统存储的图数据中查找得到，图数据用于指示多个实体及不同实体之间的关系；交互模块，还用于基于第一图数据向第一用户反馈针对数据查询请求的响应，响应携带有符合指定事件的数据。本申请有助于提高图数据库系统查询结果的准确性。