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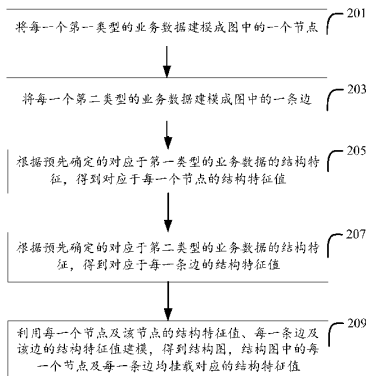
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(54) Title: KNOWLEDGE GRAPH CONSTRUCTION AND GRAPH CALCULATION

(54) 发明名称: 知识图谱的构建、和图计算



201 Model each piece of service data of a first type into one vertex in a graph
203 Model each piece of service data of a second type into one edge in the graph
205 According to a predetermined structural feature corresponding to the service data of the first type, obtain a structural feature value corresponding to each vertex
207 According to a predetermined structural feature corresponding to the service data of the second type, obtain a structural feature value corresponding to each edge
209 Perform modeling by using each vertex and the structural feature value of the vertex, and each edge and the structural feature value of the edge, so as to obtain a structure diagram, wherein each vertex and each edge in the structure diagram are mounted with corresponding structural feature values

(57) Abstract: The present description relates to a method for constructing a knowledge graph, and graph calculation. According to an example of the method for constructing a knowledge graph, the method comprises: modelling each piece of service data of a first type into one vertex in a graph; modelling each piece of service data of a second type into one edge in the graph; according to a predetermined structural feature corresponding to the service data of the first type, obtaining a structural feature value corresponding to each vertex; according to a predetermined structural feature corresponding to the service data of the second type, obtaining a structural feature value corresponding to each edge, wherein the structural feature is a universal feature in at least two application scenarios; and performing modeling by using each vertex and the structural feature value of the vertex, and each edge and the structural feature value of the edge, so as to obtain a structure diagram, wherein each vertex and each edge in the structure diagram are mounted with corresponding structural feature values.

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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: 本说明书涉及知识图谱的构建方法和图计算。根据一种知识图谱的构建方法的示例, 将每一个第一类型的业务数据建模成图中的一个节点; 将每一个第二类型的业务数据建模成图中的一条边; 根据预先确定的对应于第一类型的业务数据的结构特征, 得到对应于每一个节点的结构特征值; 根据预先确定的对应于第二类型的业务数据的结构特征, 得到对应于每一条边的结构特征值, 所述结构特征为在至少两个应用场景中通用的特征; 利用每一个节点及该节点的结构特征值、每一条边及该边的结构特征值进行建模, 得到结构图, 结构图中的每一个节点及每一条边均挂载有对应的结构特征值。