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(54) Title: GRAPHICAL DEVELOPMENT METHOD, MEDIUM, DEVICE, AND APPARATUS

(54) 发明名称: 一种采用图形化的开发的方法、介质、设备和装置

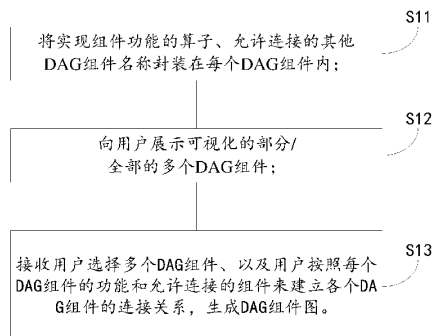


图 1

- S11 Encapsulate, in each DAG component, operator which realizes function of component as well as names of other DAG components which are permitted to be connected
- S12 Display to user some/all of plurality of visual DAG components
- S13 Receive user-selected plurality of DAG components and establish connection relationship between DAG components according to function of each DAG component and components permitted to be connected, to generate DAG component diagram

(57) Abstract: Provided are a graphical development method, medium, device, and apparatus. The method comprises: encapsulating in each DAG component an operator which realizes the function of a component as well as the names of other DAG components which are permitted to be connected; displaying to a user a plurality of visual DAG components; receiving a user-selected plurality of DAG components and establishing a connection relationship between the DAG components according to the function of each DAG component and the components permitted to be connected, to generate a DAG component diagram. By means of the described method,

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code is used to implement operators of corresponding component functions and encapsulate into DAG components, so as to graphically display the software development process, simplifying the development process of the user; the user does not need to pay attention to the expression of each specific instruction and the grammatical relationships; such a development model abstracts and encapsulates the operator of the code into a visual and configurable front-end component, which is more intuitive and easy for the user to understand.

(57) 摘要: 一种采用图形化的开发的方法、介质、设备和装置。方法包括: 将实现组件功能的算子、允许连接的其他DAG组件名称封装在每个DAG组件内; 向用户展示可视化的多个DAG组件; 接收用户选择多个DAG组件、以及按照每个DAG组件的功能和允许连接的组件来建立各个DAG组件的连接关系, 生成DAG组件图。通过上述方法, 将用代码实现相应组件功能的算子, 封装成DAG组件, 以图形化的方式显示软件开发过程, 简化了用户的开发流程, 用户不必关注每条具体指令的表述, 以及语法关系, 这样的开发模式将代码的算子抽象、封装成可视化、可配置化的前端组件, 更加直观, 便于用户理解。