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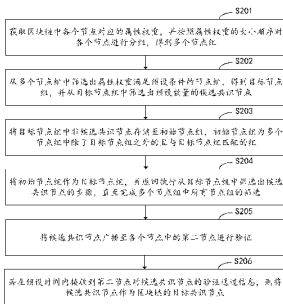
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(54) Title: NODE SELECTION METHOD AND APPARATUS, FIRST NODE, STORAGE MEDIUM AND PROGRAM PRODUCT

(54) 发明名称: 节点选取方法、装置、第一节点、存储介质及程序产品



S201 Acquire attribute weights corresponding to nodes in a blockchain, and group the nodes according to the magnitude sequence of the attribute weights to obtain a plurality of node groups
S202 From the plurality of node groups, screen for a node group of which the attribute weight satisfies a preset condition so as to obtain a target node group, and screen for a preset number of candidate consensus nodes from the target node group
S203 Store non-candidate consensus nodes in the target node group to an initial node group, the initial node group being a group among the plurality of node groups other than the target node group and matching the target node group
S204 Use the initial node group as the target node group, and return to execute the step of screening for the candidate consensus nodes from the target node group
S205 Broadcast the candidate consensus nodes to a second node among the nodes for verification
S206 If verification pass information on the candidate consensus nodes from the second node is received within a preset period of time, use the candidate consensus nodes as target consensus nodes of the blockchain

(57) Abstract: Disclosed in embodiments of the present application are a node selection method and apparatus, a first node, a storage medium and a program product. In the embodiments of the present application, nodes are grouped according to the magnitude sequence of attribute weights of the nodes in a blockchain to obtain a plurality of node groups; the plurality of node groups are screened to obtain a node group of which the attribute weight satisfies a preset condition so as to obtain a target node group, and the target node group is screened to obtain a preset number of candidate consensus nodes; non-candidate consensus nodes in the target node group are stored to an initial node group; the initial node group is used as the target node group, and the process returns to the step of screening for the candidate consensus nodes from the target node group; the candidate consensus nodes are broadcast to a second node among the nodes for verification; and if verification pass information on the candidate consensus nodes from the second node is received within a preset period of time, the candidate consensus nodes are used as target consensus nodes of the blockchain.

(57) 摘要: 本申请实施例公开了一种节点选取方法、装置、第一节点、存储介质及程序产品; 在本申请实施例中, 按照区块链中各个节点的属性权重的大小顺序对各个节点进行分组, 得到多个节点组; 从多个节点组中筛选出属性权重满足预设条件的节点组, 得到目标节点组, 并从目标节点组中筛选出预设数量的候选共识节点; 将目标节点组中非候选共识节点存储至初始节点组; 将初始节点组作为目标节点组, 并返回执行从目标节点组中筛选出候选共识节点的步骤; 将候选共识节点广播至各个节点中的第二节点进行验证; 若在预设时间内接收到第二节点对候选共识节点的验证通过信息, 则将候选共识节点作为区块链的目标共识节点。

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