

ABSTRACT

A method for electing a representative node device, comprising: receiving network protocol address information of at least one node device in a blockchain system, the node device comprising a first node device, and the first node device being a node device that is candidate to be a representative node device; receiving a network protocol address acquisition request of the first node device, the network protocol address acquisition request being used for requesting the network protocol address information of the first node device; when determining that the first node device is the representative node device elected in the election process, sending a network protocol address list to the first node device, the network protocol address list comprising the network protocol address information of the representative node device elected in the election process; and when determining that the first node device is not the representative node device elected in the election process, preventing a response to the network protocol address acquisition request.

Fig. 2