ABSTRACT OF THE DISCLOSURE

The embodiment of the invention relates to a method and device for determining transaction legitimacy based on a blockchain, comprising: determining transaction information of at least one transaction in the blockchain, wherein the transaction information of each transaction in the at least one transaction comprises account information and the number of digital currencies, the digital currencies corresponding to the transaction information that correspond to at least one identifier, and each identifier uniquely identifies a certain number of digital currencies of a one-level statistical unit; determining the number of digital currencies with the same identifier included in different pieces of transaction information corresponding to the same account according to the account information and the at least one identifier; and when the number of digital currencies with the same identifier included in different pieces of transaction information corresponding to the same account exceeds a threshold value, determining that illegal transactions exist in the account. The determination of illegal transactions through digital currencies is realized, and the possibility of money laundering through digital currencies based on a blockchain is reduced.

(Fig. 2)