

# **ADDRESS GENERATION METHOD, BLOCKCHAIN INFORMATION PROCESSING METHOD, AND RELATED DEVICE**

## **ABSTRACT**

Embodiments of this application disclose an address generation method, a blockchain  
5 information processing method, and a related device, which may be used in the blockchain field.  
The method includes: a first blockchain node generates a shared key based on a private key of a  
first blockchain node and a first public key of a second blockchain node, generates a temporary  
first public key address of the second blockchain node based on the shared key and first transaction  
content, and writes first transaction information into a blockchain, where the first transaction  
10 information includes a public key address of the first blockchain node, the first public key address,  
and first transaction content between the first blockchain node and the second blockchain node;  
and the first public key address needs to be verified by using the shared key, and a recipient may  
also generate the shared key by using a public key of the first blockchain node and a first private  
key of the second blockchain node, to verify the transaction information. The recipient does not  
15 need to store or manage a plurality of public-private key pairs, thereby simplifying management.

(Fig.3)