

ABSTRACT

METHOD FOR PROVING DIGITAL ASSETS OF TRANSACTION PLATFORM

The present invention discloses a method for proving digital assets of a transaction platform. An asset transaction platform and a server are involved. The method for proving digital assets of the transaction platform comprises: step 1: taking snapshot of a user identity and a user assets amount of each of all users by the sever; step 2: exporting the snapshots of the user identity and the user assets amount into a user asset list; step 3: setting mathematical hash functions; step 4: generating a merkle tree by using a string combined hash value of each of the users as a leaf node, and storing the merkle tree; and step 5: verifying valid user provisions and the total amount of assets of all users on the transaction platform, and drawing a conclusion. By combining a mathematic algorithm and a computer, the present invention provides users with an entrusted method for verifying the valid user provisions and the total amount of the assets of users on the platform, while protecting the asset privacy of each of the users.

[Fig. 1]