METHOD AND APPARATUS FOR PROCESSING TRANSACTIONS

Abstract

Method and apparatus for processing a transaction are disclosed. The method includes receiving an original card number used for a request of processing a transaction; calculating a hash value corresponding to the original card number based on the original card number, and acquiring an index card number corresponding to the original card number based on the hash value corresponding to the original card number; and sending the index card number to an entity that processes the transaction to enable the entity to process the transaction based on the index card number. The present disclosure creates corresponding index card numbers for a number of original card numbers in a system respectively, which ensures a one-to-one correspondence between the index card numbers and the original card numbers in the case of high concurrency and a convenient search for an encrypted credit card number whose password is changed frequently.

Figure 1