

ABSTRACT

SYSTEM AND METHOD FOR MANAGING EXPENSE PROCESSING DATA
BASED ON BLOCKCHAIN AND COMPUTER PROGRAM FOR THE SAME

5

A system for managing expense processing data based on blockchain may include: a transmitting/receiving unit configured to receive expense processing information including card transaction information and expense evidence information from a user device of an expense user or an external server; a hash extraction unit configured to generate a hash value
10 corresponding to the expense processing information; a data processing unit configured to divide the card transaction information into financial information, personal identification information and general transaction information, and divide the financial information and the personal identification information into a plurality of segment data; a transmission unit
15 configured to upload the plurality of segment data and the hash value onto a blockchain network; and a storage unit configured to store the general transaction information and the expense evidence information. Using the system for managing expense processing data, key information of expense processing data may be divided into data segments, and the data segments may be stored on the blockchain network in a distributed manner and, when a user requests the expense processing data, the user may be allowed to download the information
20 stored on the blockchain network in a distributed manner from the blockchain network, thereby reducing loads and costs taken to ensure security when providing the expense processing data to the user.

FIG. 1