

CLAIMS

[Claim 1]

A ledger recognition system comprising:

a headquarter server configured to recognize handwritten characters described in a ledger by a user;

a system terminal including an image scanner for reading the handwritten characters filled out in the ledger by the user; and

a public telecommunication network which allows the headquarter server and the system terminal to be communicably connected with each other, wherein

the headquarter server includes a handwritten character recognition unit which is configured to perform:

number determination processing where the handwritten character recognition unit receives image data of the ledger read by the image scanner from the system terminal, recognizes the handwritten characters written by the user in the image data of the received ledger in accordance with at least two types of OCR recognition programs having different algorithms, and extracts numbers from the handwritten characters described in the ledger, and determines a part of the numbers which cannot be discriminated in the respective recognition results obtained in accordance with the OCR recognition programs by analyzing a characteristic of the number handwritten by the user;

first user name correction processing where a user name which corresponds to a bank name, a branch name, a subject and an account number described in the ledger and determined as the recognition results respectively obtained in accordance with the OCR recognition programs is acquired based on the bank name, the branch name, the subject and the account number, and corrects the user name by comparing the acquired user name and a user name determined as recognition results respectively obtained in accordance with the OCR recognition programs with each other; and

second user name correction processing where the handwritten character recognition unit extracts Japanese katakana reading syllabary based on Chinese character recognition of a user name described in the ledger and determined as recognition results respectively obtained in accordance with the OCR recognition programs, and corrects the user name based on katakana similar character data stored

in the headquarter server by comparing the extracted Japanese reading syllabary and the user name in Japanese katakana syllabary determined as the recognition results respectively obtained in accordance with the OCR recognition programs with each other, wherein

the handwritten character recognition unit determines the handwritten characters described in the ledger with respect to a part of the handwritten characters where recognition results in accordance with the OCR recognition programs agree with each other, and sets a part of the handwritten characters where the recognition results by the OCR recognition programs do not agree with each other as an object of correction processing.

[Claim 2]

The ledger recognition system according to claim 1, wherein plural types of ledger layouts are preliminarily registered in the headquarter server, and the headquarter server is configured to specify a ledger layout based on the image data of the ledger from among the plural types of ledger layouts, to extract the handwritten characters written by the user from a fill-out column of the specified ledger layout in which first user information, second user information and amount-of-money information of the specified ledger layout are filled out, and to recognize the handwritten characters written by the user in accordance with the OCR recognition programs.