ABSTRACT

Cloud-Based Biometric Payment and Retail Management System, and Payment Method for the Same

Disclosed are a cloud-based biometric recognition and retail management system and a payment method for the same, wherein the cloud-based biometric recognition and retail management system comprises a POS terminal device, a cloud ERP server, and a cloud payment gateway server; the POS terminal device comprises a front end powered by an Android operating system and a back end powered by a Linux operating system; the front end is connected to the cloud ERP server, and the back end is provided with a password input device and a biometric acquisition and verification device. Its advantageous effects include: by installing an Android OS at the front end and installing a Linux OS at the back end, the dual-system configuration enhances security and compatibility with biometric databases, and wins trust and approval from different institutions, even from the government. A password input device and a biometric acquisition and verification device are disposed at the back end, so as to exploit the biometric recognition technology for secondary verification, such that the biometrics may be directly used as a payment solution without a mobile phone medium; the biometric payment during the payment verification process may prevent crimes and enhance case-solving efficiency.

(FIG. 1)