CLAIMS

What is claimed is:

1. A parking fee collection method performed by a parking fee collection system, wherein the method comprises:

detecting, by using a first Internet of Things device located in a position directed to a parking space, coating material of an electrical medium disposed on an outer surface of a vehicle to determine that the vehicle is parked in the parking space, wherein the electrical medium is a carbon structural material of a nanometer level that forms a circuit layer enclosing the vehicle;

in response to determining that the vehicle is parked in the parking space, triggering, by the first Internet of Things device, a second Internet of Things device to obtain vehicle information of the vehicle, wherein obtaining the vehicle information comprises scanning the vehicle, wherein scanning the vehicle causes the circuit layer to generate an electrical signal uniquely corresponding to body surface structure data of the vehicle, and wherein the vehicle information comprises the body surface structure data of the vehicle and is associated with a corresponding user account on a payment platform; and

performing real-time fee collection by collecting a micropayment from the user account in every second while the vehicle is parked in the parking space, wherein the micropayment corresponds to a parking fee corresponding to one second.

2. The method according to claim 1, wherein the first Internet of Things device is dedicated to the parking space; or the first Internet of Things device is used for the parking space and at least one other parking space.

3. The method according to claim 1, wherein the first Internet of Things device comprises at least one of the following: a monitoring device, an RFID reader, a Bluetooth device, an optical sensor, and a signal receiver.

4. The method according to claim 1, wherein the user account corresponds to the vehicle information on the payment platform; or when a limit of credit of the user account is not exceeded, the micropayment comes from a credit asset related to the user account.

5. The method according to claim 1, further comprising:

when a vehicle travels to an entrance of a parking lot in which the parking space

is located, initiating an inquiry request to the payment platform based on vehicle information of the vehicle; and

when it is determined that a user account corresponding to the vehicle information of the vehicle exists on the payment platform, allowing the vehicle to enter, so that the vehicle enters the parking lot; otherwise, deny entry to the vehicle.

6. An electronic device, comprising:

a processor; and

a memory, configured to store a processor-executable instruction, wherein

the processor is configured to perform the method according to any one of claims 1 to 5.