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(54) **Title:** EVIDENCE KEEPING METHOD AND APPARATUS FOR OWED PARKING FEES, REMINDING METHOD AND DEVICE FOR OWED PARKING FEES, AND ELECTRONIC DEVICE

(54) 发明名称: 停车欠费的存证方法、提醒方法及装置、电子设备

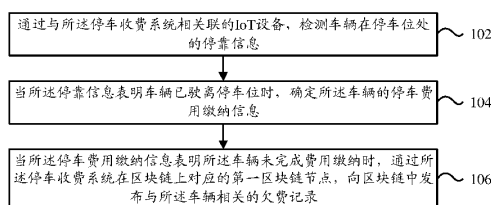


图 1

- 102 Detect, by means of an IoT device associated with a parking charging system, parking information of a vehicle at parking space
- 104 When the parking information indicates that the vehicle has left the parking space, determine parking fee payment information of the vehicle
- 106 When the parking fee payment information indicates that the vehicle has not completed the payment of fees, publish, by means of a first blockchain node corresponding to the parking fee system on a blockchain, a vehicle-related owing record to the blockchain

(57) **Abstract:** An evidence keeping method and apparatus for owed parking fees, a reminding method and device for owed parking fees, and an electronic device, wherein same are applied to a parking charging system. The evidence keeping method comprises: detecting, by means of an IoT device associated with a parking charging system, parking information of a vehicle at a parking space (102); when the parking information indicates that the vehicle has left the parking space, determining parking fee payment information

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of the vehicle (104); and when the parking fee payment information indicates that the vehicle has not completed the payment of fees, publishing, by means of a first blockchain node corresponding to the parking fee system on a blockchain, a vehicle-related owing record to the blockchain (106). The data registered in the blockchain cannot be tampered with or traced, such that owing records recorded in a blockchain ledger are sufficiently reliable and can be trusted by various blockchain nodes, and the owing records can thus be used as strong evidence for recovering money from users afterwards.

(57) 摘要: 一种停车欠费的存证方法、提醒方法及装置、电子设备, 应用于停车收费系统, 存证方法包括: 通过与停车收费系统相关联的IoT设备, 检测车辆在停车位处的停靠信息 (102); 当停靠信息表明车辆已驶离停车位时, 确定车辆的停车费用缴纳信息 (104); 当停车费用缴纳信息表明车辆未完成费用缴纳时, 通过停车收费系统在区块链上对应的第一区块链节点, 向区块链中发布与车辆相关的欠费记录 (106)。由于登记于区块链内的数据具有不可篡改、可追溯的特性, 使得区块链账本中记录的欠费记录具有足够的可靠性、能够受到各个区块链节点的信任, 因而能够在事后追溯时作为向用户追款的有力证据。