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- (81) 指定国 (除另有指明, 要求每一种可提供的国家保护): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CV, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI,

(54) Title: REGULATION VIOLATION BEHAVIOR IDENTIFICATION METHOD AND INTELLIGENT ANTI-REGULATION VIOLATION SENSOR SYSTEM

(54) 发明名称: 一种违章行为识别方法及智能抗违章传感器系统

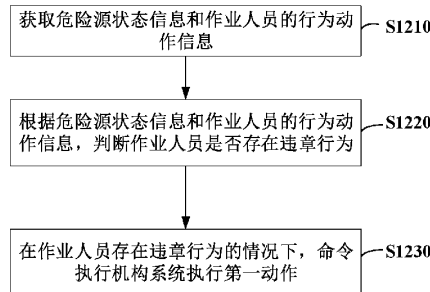


图 12

- S1210 Obtain dangerous source state information and behavior action information of an operator
- S1220 According to the dangerous source state information and the behavior action information of the operator, determine whether the operator has a regulation violation behavior
- S1230 In the case that the operator has the regulation violation behavior, command an execution mechanism system to execute a first action

(57) Abstract: The present invention relates to a regulation violation behavior identification method and an intelligent anti-regulation violation sensor system. In the present invention, dangerous source state information, operator regulation violation behavior action information, position and environment identification system information and other information are inputted into the intelligent anti-regulation violation sensor system, processed by a microprocessor and then transmitted to a 5G information converter, the 5G information converter then transmits the information to an anti-regulation violation cloud computing center, and the center is pre-installed with regulation violation behavior identification and processing software; the software comprises a regulation violation behavior identification algorithm, and the algorithm can determine regulation violation behavior types; according to the regulation violation behavior types, an

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execution mechanism is commanded to act, so that an alarm is given or a dangerous source is cut off. The intelligent anti-regulation violation sensor system comprises a lock mechanism regulation violation behavior identification system, a non-lock mechanism regulation violation behavior identification system, the 5G information converter, a computer or mobile phone terminal, the anti-regulation violation cloud computing center, an electric lock mechanism system, an identity identification system, an auxiliary variable E identification system, the microprocessor, a position and environment identification system, and a dangerous source information acquisition system.

(57) 摘要: 本公开涉及一种违章行为识别方法及智能抗违章传感器系统。本公开将危险源状态信息、作业人员违章行为动作信息、位置与环境识别系统信息等信息, 输入智能抗违章传感器系统, 经微处理器处理后传输给5G信息转换器, 5G信息转换器再传输到抗违章云计算中心, 该中心预装违章行为识别处理软件, 该软件包括违章行为识别算法, 该算法可确定违章行为类别, 根据违章行为类别, 命令执行机构动作, 实现报警、或切断危险源。智能抗违章传感器系统包括锁机构违章行为识别系统、非锁机构违章行为识别系统、5G信息转换器、电脑或手机终端、抗违章云计算中心、电锁机构系统、身份识别系统、辅助变量E识别系统、微处理器、位置与环境识别系统和危险源信息采集系统。