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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,

(54) Title: BEVERAGE BOTTLE SORTING DEVICE

(54) 发明名称: 一种饮料瓶分选装置

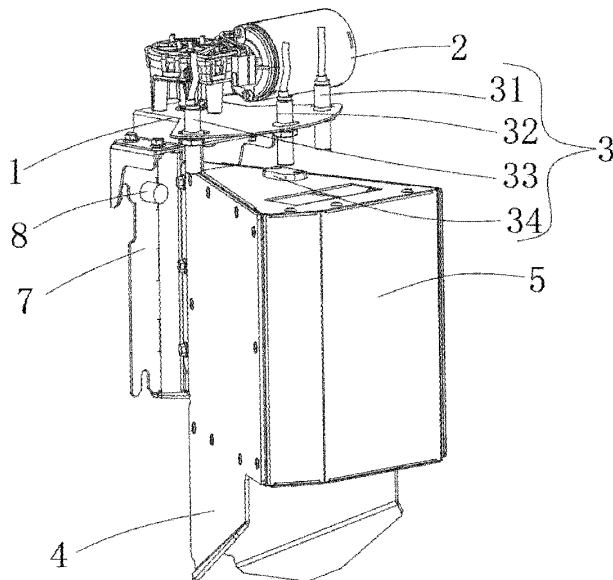


图 1

(57) Abstract: Disclosed in the present utility model is a beverage bottle sorting device. The device comprises a mounting plate, wherein an electric motor is mounted on the mounting plate, a driving shaft is mounted at a power output end of the electric motor, a guide plate is fixedly mounted on the driving shaft, and a rotation angle control assembly is provided between the guide plate and the mounting plate; and the rotating angle of the driving shaft is controlled by means of the rotation angle control assembly so that the rotating angle of the guide plate is controlled, and beverage bottles entering the guide plate are sorted to adapted recycling bins. The beneficial effects

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in the present utility model lie in that a guide plate connected to the driving shaft is driven by the electric motor to move, so that beverage bottles of which the categories are identified in advance are classified, and the beverage bottles of different materials and types are sorted into the corresponding recycling bins; moreover, the rotating angle and position of the driving shaft and the rotating angle and position of the guide plate are controlled by means of the rotation angle control assembly, thereby avoiding the case whereby the beverage bottles cannot be classified or are wrongly classified due to excessive or insufficient rotation of the guide plate.

(57) 摘要: 本实用新型公开了一种饮料瓶分选装置, 包括安装板, 所述安装板上安装有电机, 所述电机动力输出端安装有驱动轴, 所述驱动轴上固定安装导向板, 所述导向板与安装板之间设置有旋转角度控制组件, 通过旋转角度控制组件来控制驱动轴的旋转角度从而控制导向板的转动角度, 对进入到导向板处的饮料瓶进行分选至适配的回收仓。本实用新型的有益效果是: 通过电机带动与驱动轴连接的导向板进行运动, 从而对预先对类别已经识别好的饮料瓶进行分类, 把不同材质类型的饮料瓶分到对应的回收仓中, 而且通过旋转角度控制组件对驱动轴和导向板的旋转角度和位置进行控制, 防止因为导向板旋转过渡或者不足而导致饮料瓶不能分类或者分错。