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(54) Title: HEATING CONTROL METHOD AND APPARATUS, LAUNDRY TREATMENT DEVICE, AND STORAGE MEDIUM

(54) 发明名称: 一种加热控制方法、装置、衣物处理设备及其存储介质

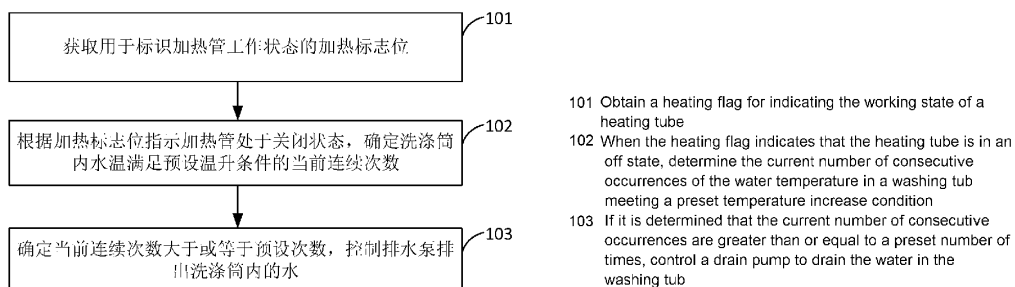


图 1

(57) Abstract: A heating control method and apparatus, a laundry treatment device, and a storage medium. The method comprises: obtaining a heating flag for indicating the working state of a heating tube (101); when the heating flag indicates that the heating tube is in an off state, determining a current number of consecutive occurrences of the water temperature in a washing tub meeting a preset temperature increase condition (102); and if it is determined that the current number of consecutive occurrences are greater than or equal to a preset number of times, controlling a drain pump to drain the water in the washing tub (103). In the present technical solution, when the heating flag indicates that the heating tube is turned off, by detecting the increase in the temperature of the water in the washing tub, whether a failure, such as contact failure, occurs in a relay can be determined. If a failure, such as contact failure, occurs in the relay, the water in the washing tub would be drained, and then the temperature of the heating tube would increase rapidly, and the fuse of the heating tube would be blown to disable the operation of the heating tube, thereby preventing the heating power from exceeding the rated power of a power cord or a power socket due to heating of multiple washing tubs at the same time, thus preventing the safety problem caused by the heating tube heating all the time.

[见续页]

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本国际公布:

- 包括国际检索报告 (条约第21条(3))。

(57) 摘要: 一种加热控制方法、装置、衣物处理设备及存储介质, 该方法包括: 获取用于标识加热管工作状态的加热标志位 (101); 根据加热标志位指示加热管处于关闭状态, 确定洗涤筒内水温满足预设升温条件的当前连续次数 (102); 确定当前连续次数大于或等于预设次数, 控制排水泵排出洗涤筒内的水 (103)。该技术方案在加热标志位指示加热管关闭时, 通过检测洗涤桶内水温升高情况, 能确定继电器是否发生粘连等故障。在继电器出现粘连等故障时排出洗涤桶内的水, 之后加热管的温度会快速升高, 加热管的保险丝会熔断, 使加热管无法再工作, 从而避免出现多个洗涤筒同时加热的情况发生, 避免加热功率超过电源线或电源插座的额定功率, 避免加热管一直加热导致的安全问题。