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(54) Title: VERTICAL HEAT TREATMENT APPARATUS AND CONVEYING DEVICE THEREFOR

(54) 发明名称: 立式热处理设备及其运送装置

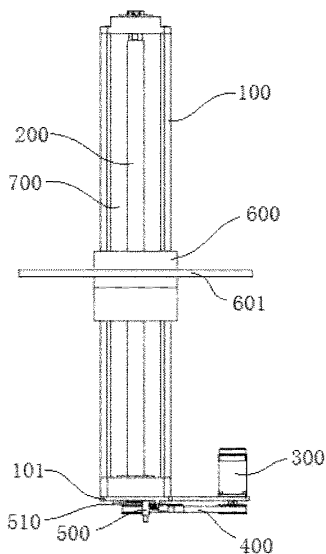


图 1

(57) Abstract: A vertical heat treatment apparatus and a conveying device therefor. The conveying device comprises a device main body, a transmission belt mechanism (400) and a stop mechanism (500). The transmission belt mechanism (400) is used for transmission between a driving member and a driven member of the device main body, the transmission belt mechanism (400) comprising a transmission belt (401). The stop mechanism (500) comprises a stop portion and a fitting assembly, wherein the stop portion is fixedly connected to the driven member, and the fitting assembly comprises a stop member; the fitting assembly abuts against the transmission belt (401), such that the stop member disengages from limiting fit with the stop portion; and when the transmission belt (401) has broken, the fitting assembly detaches from the transmission belt (401), such that the stop member is in limiting fit with the stop portion, thus stopping the rotation of the driven member. The stop process of the conveying device does not require signal detection by a detection device, nor does it need to be realized by means of signal control, thus improving the reliability of the stop process and reducing the cost of the conveying device.

(S7) 摘要: 一种立式热处理设备及其运送装置, 包括装置主体、传动带机构 (400) 以及止动机构 (500), 传动带机构 (400) 用于装置主体的驱动件和从动件之间的传动, 传动带机构 (400) 包括传动带 (401); 止动机构 (500) 包括止动部和配合组件, 止动部与从动件固定连接, 配合组件包括止动件, 配合组件抵顶在传动带 (401) 上, 以使止动件与止动部脱离限位配合, 在传动带 (401) 断裂时, 配合组件与传动带 (401) 脱离, 止动件与止动部限位配合, 以停止从动件转动。运送装置的止动过程不需要检测装置检测信号, 也不需要通过信号控制实现止动, 因而提高了止动过程的可靠性, 降低了运送装置的成本。

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