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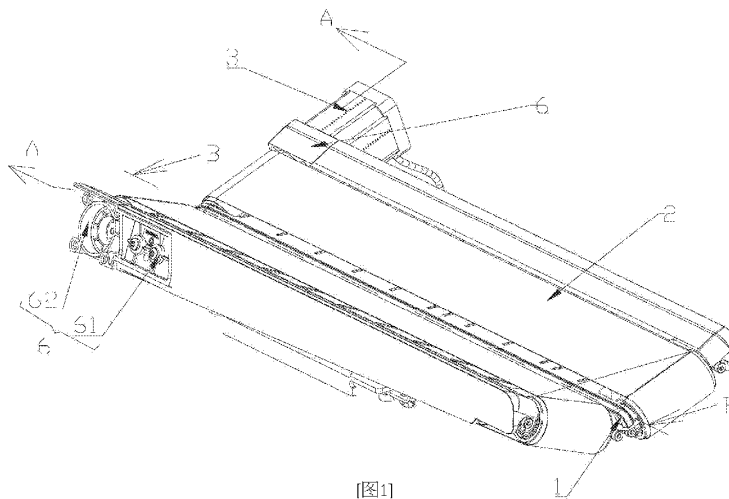
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(54) Title: IMPROVED MULTIFUNCTIONAL CONVEYING DEVICE

(54) 发明名称: 一种改进型多功能传送装置



[图1]

(57) Abstract: Provided in the present utility model is an improved multifunctional conveying device, comprising a V-shaped main frame; the left portion and the right portion of the main frame are each provided with a conveyor belt; driven wheels of the two conveyor belts are installed at one end of the main frame; driving wheels of the two conveyor belts are installed at the other end of the main frame and are driven by a driving mechanism; driving wheel supports are provided on two sides of the end of the main frame where the driving wheels are installed; driven wheel supports are provided at the end of the main frame where the driven wheels are installed; the driven wheels are installed on the main frame by means of the driven wheel supports; the driving wheels are installed on the main frame by means of the driving wheel supports; the two driving wheels are in transmission connection by means of a flexible axle. The flexible axle is used to replace a cross universal shaft, and such simplification allows simpler overall assembly and more synchronous

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transmission speeds of the left and right wheels. During maintenance of the structure in which the driving wheel supports and the driven wheel supports are separately installed, the driving and driven wheels can be separately maintained without assembling and disassembling the overall structure, thus aiding maintenance workers in the maintenance.

(57) 摘要: 本实用新型提供了一种改进型多功能传送装置, 包括V型的主架, 主架的左部、右部分别设置有一条传送带, 主架的一端安装有两个传送带的从动轮; 主架的另一端安装有两个传送带的主动轮, 并由驱动机构驱动, 所述主架上安装所述主动轮的一端的两侧设置有主动轮支架, 所述主架上安装所述从动轮的一端设置有从动轮支架; 从动轮通过从轮支架安装在主架上, 主动轮通过主动轮支架安装在主架上, 两个主动轮通过软轴传动连接。采用了软轴替代十字万向轴, 简化后整体组装更简单, 左右滚轮传动速度更同步。主动轮支架和从动轮支架单独安装的结构, 在维护时可以单独维护主、从动轮, 不用整体拆装, 便于维保人员进行维护。