Patent Search

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Abstract:

[05] The present invention provides a production control system and method for a flexible production line. The system includes a product specificati module, an operation plan control module, an operation plan execution module and a SCADA module of a data acquisition, monitoring and control s acquisition and monitoring submodules. The module collects information about the status and faults of production equipment, and the scheduling s between the WMS warehouse management system and the farm management system based on the information about the status and faults of prod tracking sub-module is used to collect information about the manufacturing process of a product. RFID Signal RFID records part status information a the part in the flexible production line production process. The invention can realize the information and digital process control of products with flex the details of workshop production section more transparent, improve the degree of downsizing and the degree of standardization of the productior capacity of production and execution efficiency. Accompanied Drawing [FIG. 1] [FIG. 2]

Complete Specification

Description:The present invention relates to innovative system of flexible production line manufacturing method.

[02] BACKGROUND OF THE INVENTION

Factors such as management mode of workshop production, under-allocation of resources, and delays in setting up production facilities have becc bottlenecks for production development. Factors such as inadequate management and capacity allocation of production resources and backward production have become the main bottleneck limiting the development of flexible production lines for machine processing. In related technologies requirements of a typical production equipment task, production capacity is improved by increasing production resources. In this mode, the degre standardization of the production mode is low, and the effect of increasing power is small.

[03] SUMMARY OF THE PRESENT INVENTION

The present invention provides a production control system and method for a flexible production line. The system includes a product specification module, an operation plan control module, an operation plan execution module and a SCADA module of a data acquisition, monitoring and contro equipment acquisition and monitoring submodules. The module collects information about the status and faults of production equipment, and the schedules tasks between the WMS warehouse management system and the farm management system based on the information about the status equipment; the WIP tracking sub-module is used to collect information about the manufacturing process of a product. RFID Signal RFID records pa each work step to control the part in the flexible production line production process. The invention can realize the information and digital process flexible production lines, make the details of workshop production section more transparent, improve the degree of downsizing and the degree of

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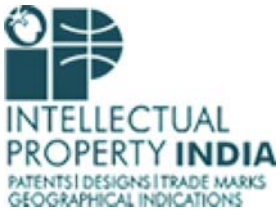

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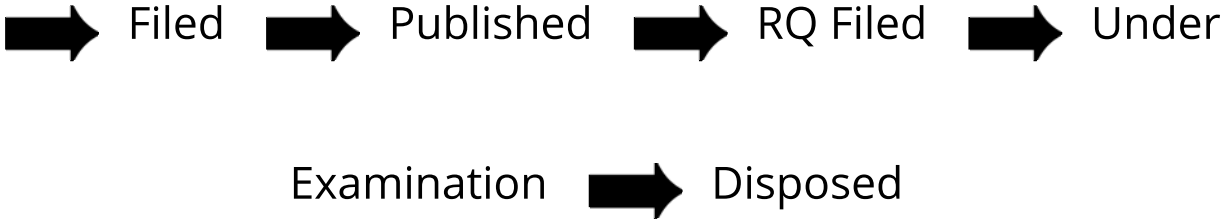

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