ABSTRACT OF THE DISCLOSURE

SYSTEM AND METHOD OF CONTROL FACTOR MANAGEMENT

A system and method for control factor management for a work-in-process (WIP) in a production system. A plan engine is programmed to receive an order for a product, reserve a capacity for the order based on a capacity model that considers a plurality of capacity vectors, and generate a plan for the WIP of the order according to a control factor. A control factor management module adjusts the control factor of the plan engine according to a current value of the control factor in the production system, a target value of the control factor, and a priority of the WIP. Preferably, a control factor matrix of the product is provided in the control factor management module as a function of the current value of the control factor in the production system, the target value of the control factor, the priority of the WIP, and a target date of the order.

(FIG. 2)