Method for Controlling Queue Time Constraints in a Fabrication Facility

ABSTRACT

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An algorithm can be performed to control the dispatch of products in a fabrication or manufacturing facility. The queue time constraint tolerances and tool throughput are initialized for each product. Next the multiple processing demand time can be calculated for each product. The aggregating queue time constraint can then be calculated for each product. If the multiple processing demand time is less than the aggregating queue time constraint for each queue time limit tool, then any lot can be selected to be processed. Otherwise, the product at the given tool should be further processed.