(54) Title: SCHEDULING AND SEQUENCING SUPPLY CHAIN RESOURCES

(57) Abstract: The process (100) beings at step (102) when a static model of the operating environment is loaded and/or created. The static model is modeled by defining or loading certain input data, for example, horizon information, SKU constraints scheduled receipts, bill of material, and initial assignments. At step (104), initial assignments are placed and materials are allocated accordingly. Before the sequencing system makes plans for fulfilling any not yet planned order, it may plan for orders with pre-defined assignments during the initialization step (104). At step (106), the system created a temporary table of unplanned orders. At step (112), each order is prioritized in the window. Those orders with higher priority will generally be scheduled before those that have lower priority. At step (114), the highest prioritized order not yet planned is selected and the order planned.

Published:
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For two-letter codes and other abbreviations, refer to the “Guidance Notes on Codes and Abbreviations” appearing at the beginning of each regular issue of the PCT Gazette.
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER

IPCG(7) : G06F 19/00
US CL : 700/100; 705/8

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
U.S. : 700/95-108; 705/8; 708/112; 28/55

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
<thead>
<tr>
<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y</td>
<td>US 6,226,561 A (TAMALI et al.) 01 May 2001 (01.05.2001), Whole Document.</td>
<td>1-58</td>
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<tr>
<td>A</td>
<td>US 6,201,999 B1 (JEVTIC) 13 March 2001 (13.03.2001), Whole Document.</td>
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☐ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

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