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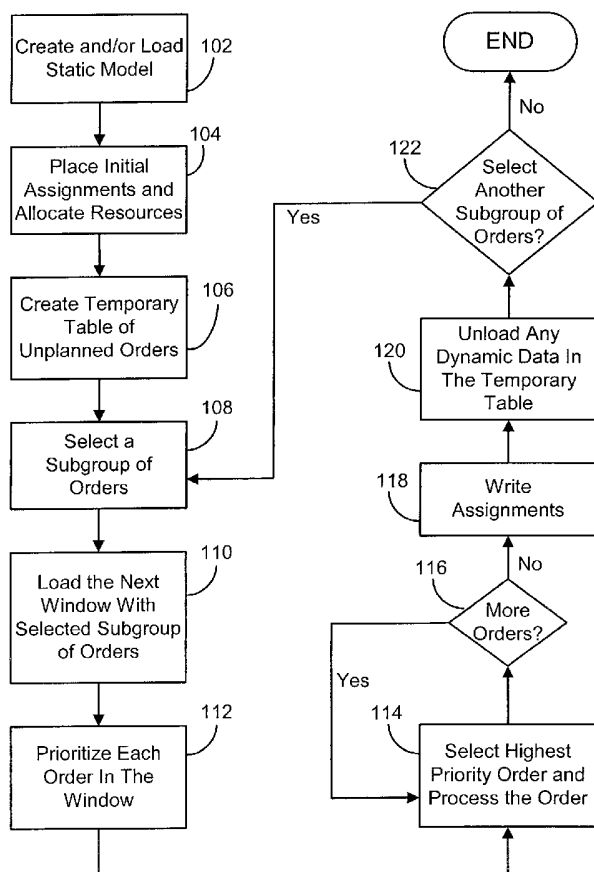
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(54) Title: SCHEDULING AND SEQUENCING SUPPLY CHAIN RESOURCES



(57) Abstract: The process (100) begins 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.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/13974

A. CLASSIFICATION OF SUBJECT MATTER

IPC(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

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6,278,901 B1 (WINNER et al.) 21 August 2001 (21.08.2001), Whole Document.	1-58
Y	US 6,226,561 A (TAMALI et al.) 01 May 2001 (01.05.2001), Whole Document.	1-58
A	US 6,201,999 B1 (JEVTIC) 13 March 2001 (13.03.2001), Whole Document.	1-52
A	US 6,311,094 A (IRIUCHIJIMA et al.) 30 October 2001 (30.10.2001), Whole Document.	1-52

Further documents are listed in the continuation of Box C.

See patent family annex.

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"A"	document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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"O"	document referring to an oral disclosure, use, exhibition or other means	
"P"	document published prior to the international filing date but later than the priority date claimed	"&" document member of the same patent family

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