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- (71) Applicant: **LINEAGE LOGISTICS, LLC** [US/US]; 1
Park Plaza, Suite 550, Irvine, California 92614 (US).
- (72) Inventors: **WALET, Daniël**; 1 Park Plaza, Suite 550,
Irvine, California 92614 (US). **WINTZ, Daniel Thomas**; 1
Park Plaza, Suite 550, Irvine, California 92614 (US).
- (74) Agent: **HOFF, Christopher C.** et al.; Fish & Richardson
P.C., P.O. Box 1022, Minneapolis, Minnesota 55440-1022
(US).
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(54) Title: SWAPPING TASK ASSIGNMENTS TO DETERMINE TASK SELECTION

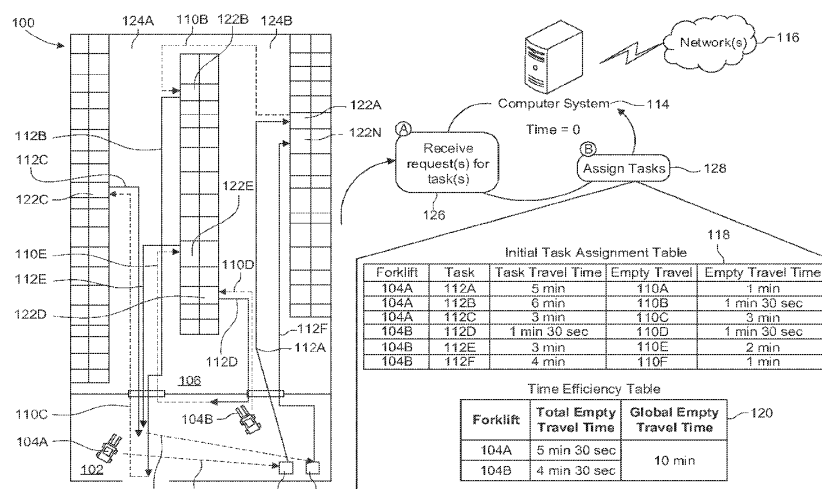


FIG. 1

(57) Abstract: Described herein are systems and methods for ordering item-movement tasks in storage facilities. Item-movement tasks are distributed amongst queues of operators in a first state of the queues. A first value indicating utilization based on the operators performing the queues in the first state is determined. A first task from a first queue is swapped with a second task from a second queue, forming a second state of the queues, such that the first queue to be performed by a first operator includes the second task and the second queue to be performed by a second operator includes the first task. A second value indicating utilization based on the operators performing the queues having the second state is determined. Based on determining that utilization is greater when the queues have the first state, the first task is swapped with the second task to revert the queues to the first state.

[Continued on next page]

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