

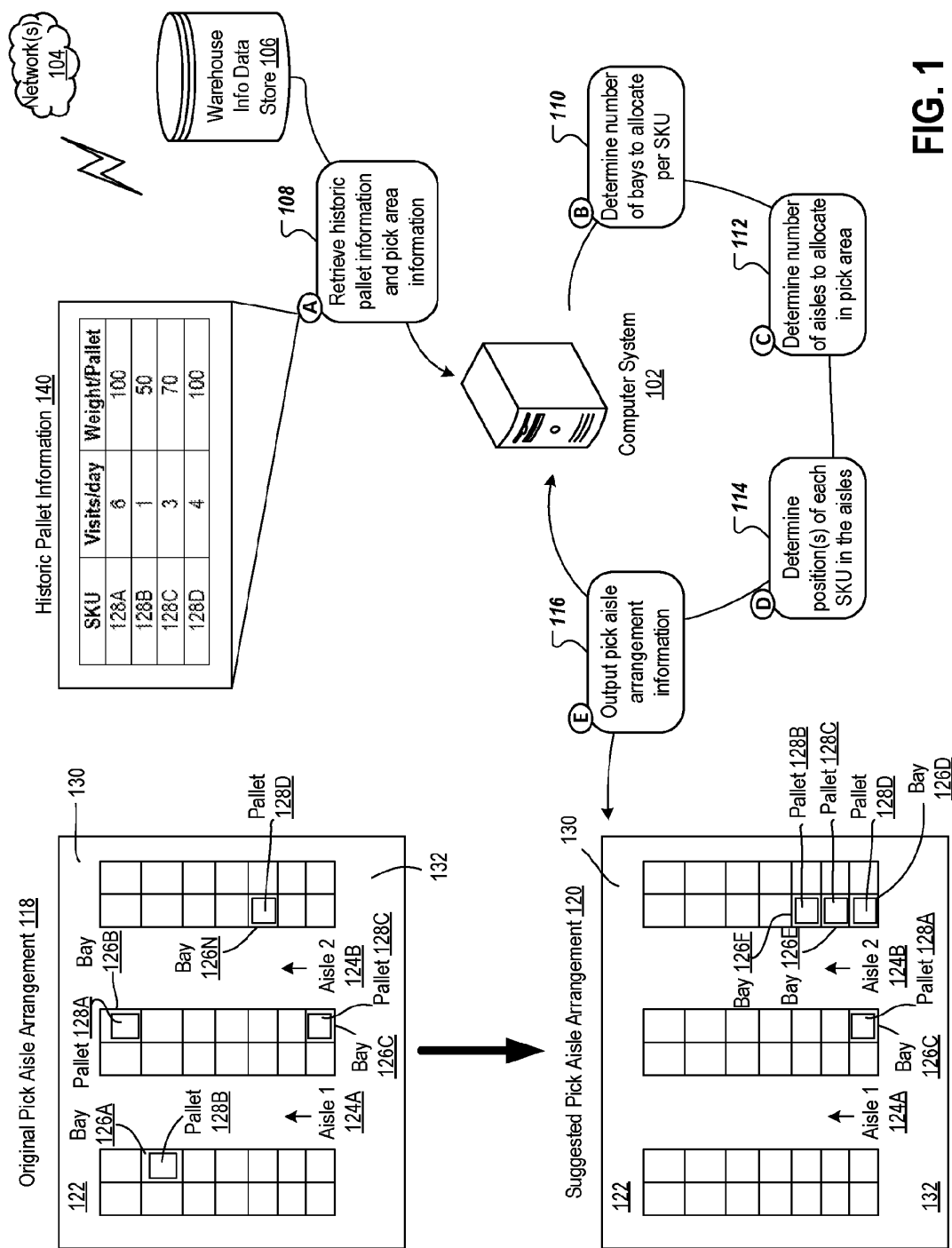


FIG. 1

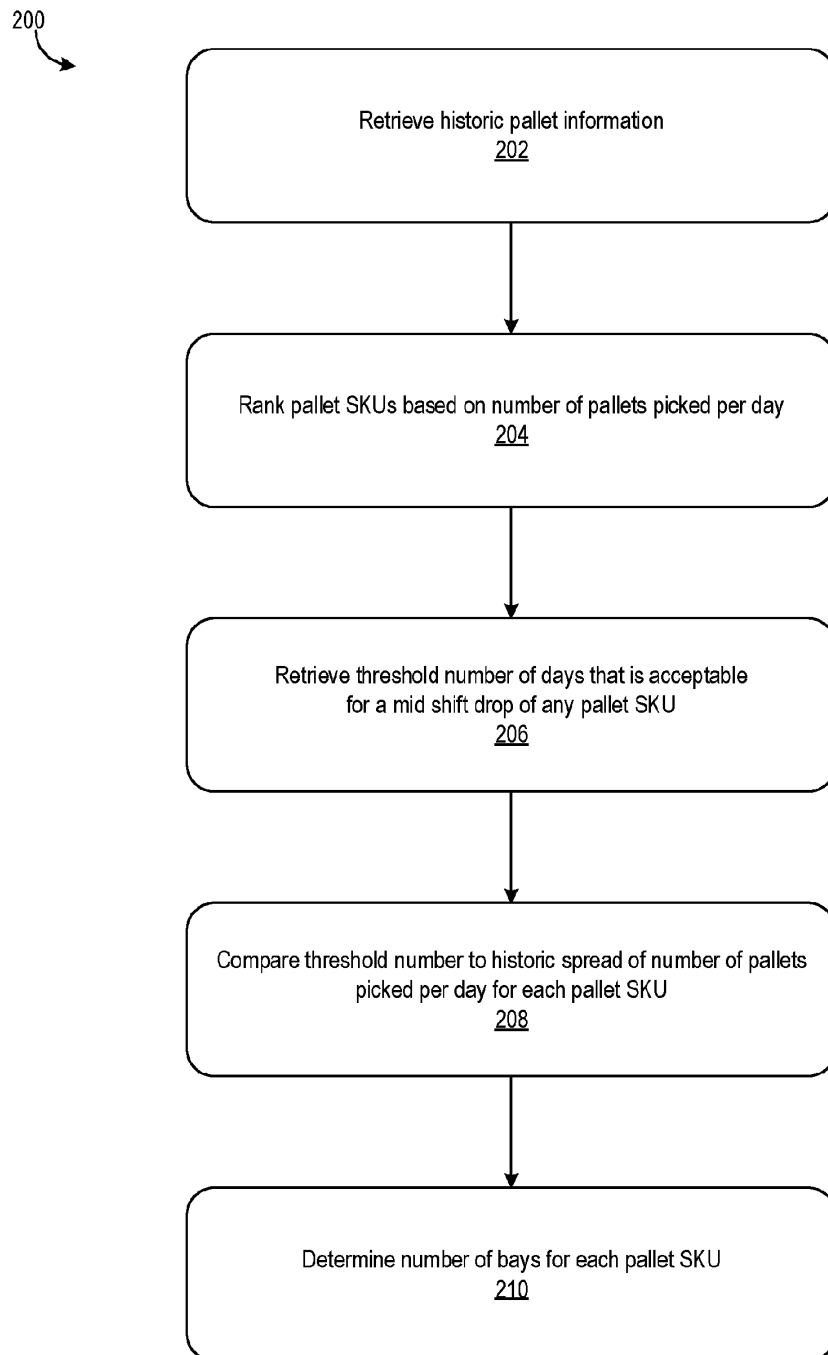


FIG. 2A

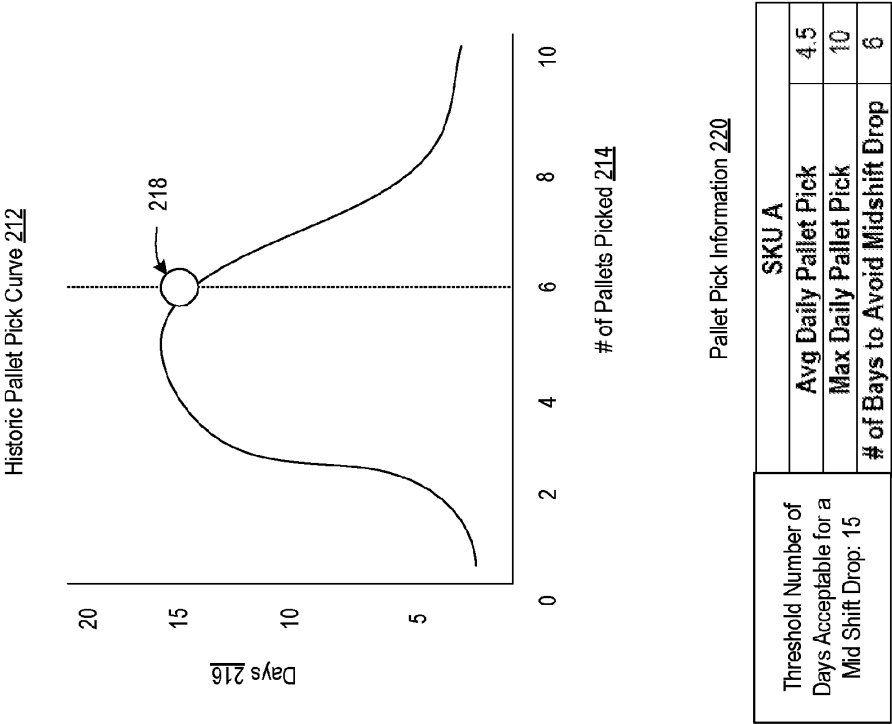


FIG. 2B

300

Historic Pallet Information 301

| SKU | Description | Avg Daily Pallet Pick | Max Daily Pallet Picks | # of Bays to Avoid Midshift Drop | Weight/ Pallet |
|-----|-------------|-----------------------|------------------------|----------------------------------|----------------|
| A   | Yogurt      | 4.5                   | 10                     | 6                                | 80             |
| B   | Ice cream   | 2                     | 7                      | 4                                | 50             |
| C   | Eggs        | 7                     | 16                     | 8                                | 80             |
| D   | Chicken     | 4.5                   | 9                      | 5                                | 100            |

Sorted by Velocity 302

| SKU | Description | Avg Daily Pallet Pick | Max Daily Pallet Picks | # of Bays to Avoid Midshift Drop | Weight/ Pallet |
|-----|-------------|-----------------------|------------------------|----------------------------------|----------------|
| C   | Eggs        | 7                     | 16                     | 8                                | 80             |
| A   | Yogurt      | 4.5                   | 10                     | 6                                | 80             |
| D   | Chicken     | 4.5                   | 9                      | 5                                | 100            |
| B   | Ice Cream   | 2                     | 7                      | 4                                | 50             |

Sorted by Weight 304

| SKU | Description | Avg Daily Pallet Pick | Max Daily Pallet Picks | # of Bays to Avoid Midshift Drop | Weight/ Pallet |
|-----|-------------|-----------------------|------------------------|----------------------------------|----------------|
| C   | Eggs        | 7                     | 16                     | 8                                | 80             |
| D   | Chicken     | 4.5                   | 9                      | 5                                | 100            |
| A   | Yogurt      | 4.5                   | 10                     | 6                                | 80             |
| B   | Ice Cream   | 2                     | 7                      | 4                                | 50             |

FIG. 3

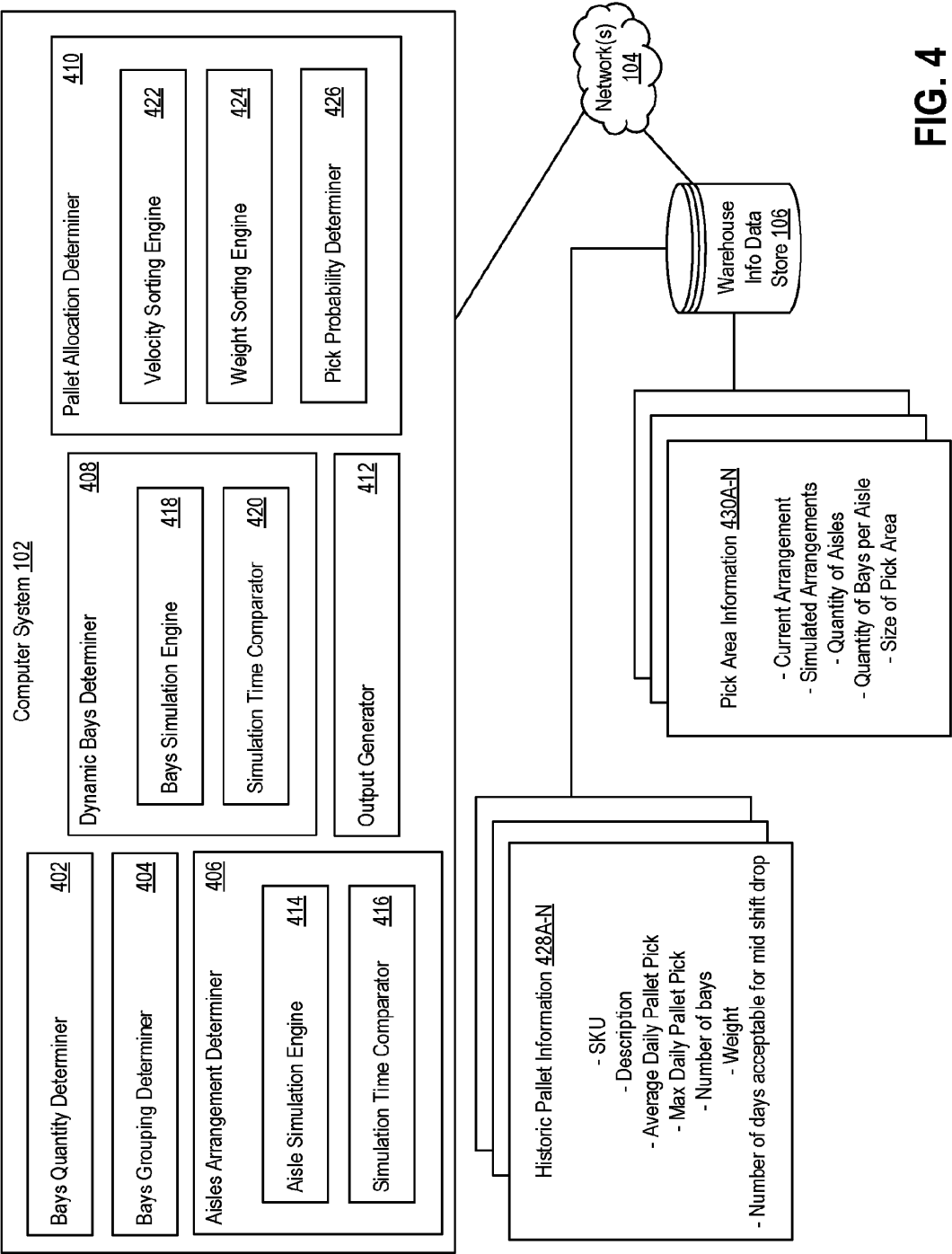


FIG. 4

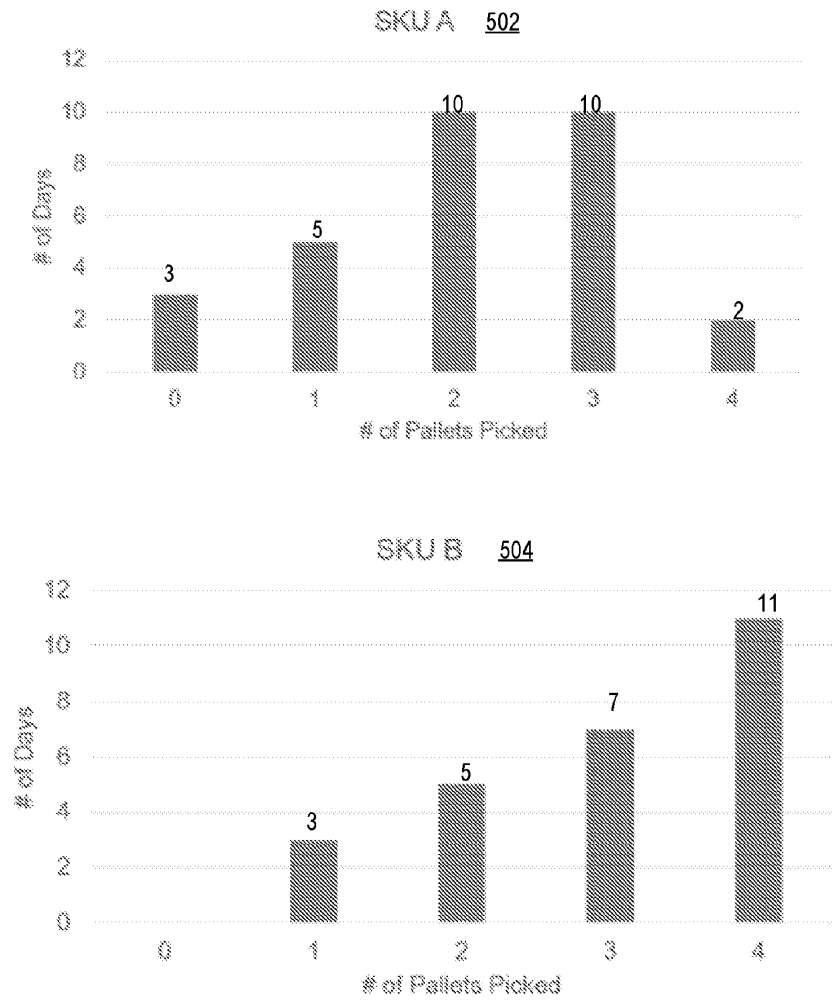


FIG. 5A

505



Probabilities Information 506

| SKU | Pallet | Probability  |
|-----|--------|--------------|
| A   | 1      | 90% (27/30)  |
| A   | 2      | 73% (22/30)  |
| A   | 3      | 40% (12/30)  |
| A   | 4      | 6% (2/30)    |
| B   | 1      | 100% (26/26) |
| B   | 2      | 88% (23/26)  |
| B   | 3      | 69% (18/26)  |
| B   | 4      | 42% (11/26)  |



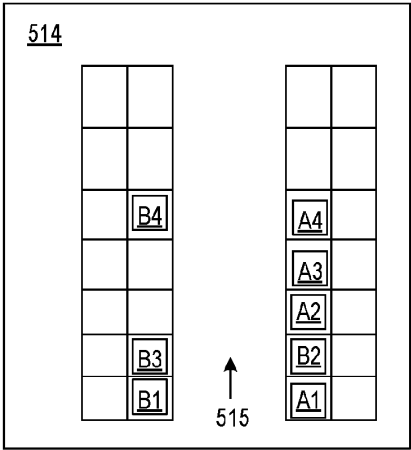
Rank 508

Ranked Probabilities Information 510

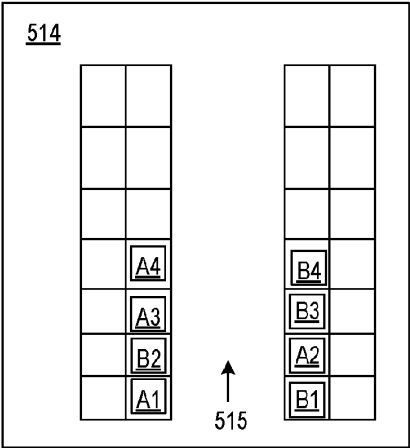
| SKU | Pallet | Probability |
|-----|--------|-------------|
| B   | 1      | 100%        |
| A   | 1      | 90%         |
| B   | 2      | 88%         |
| A   | 2      | 73%         |
| B   | 3      | 69%         |
| B   | 4      | 42%         |
| A   | 3      | 40%         |
| A   | 4      | 6%          |

FIG. 5B

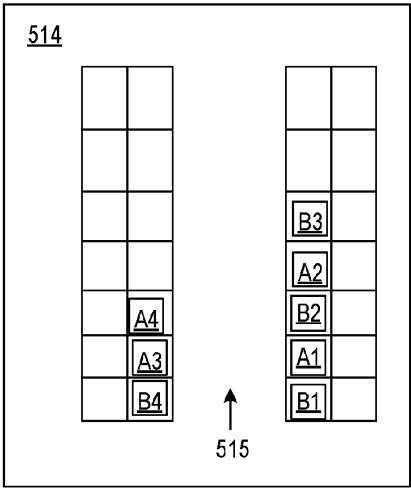
Suggested Pick Aisle Arrangement 512



Suggested Pick Aisle Arrangement 516



Suggested Pick Aisle Arrangement 518



Suggested Pick Aisle Arrangement 520

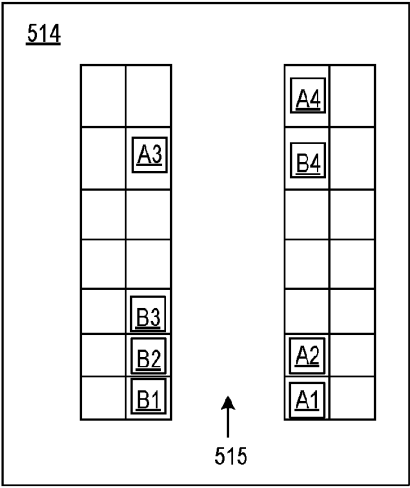


FIG. 5C

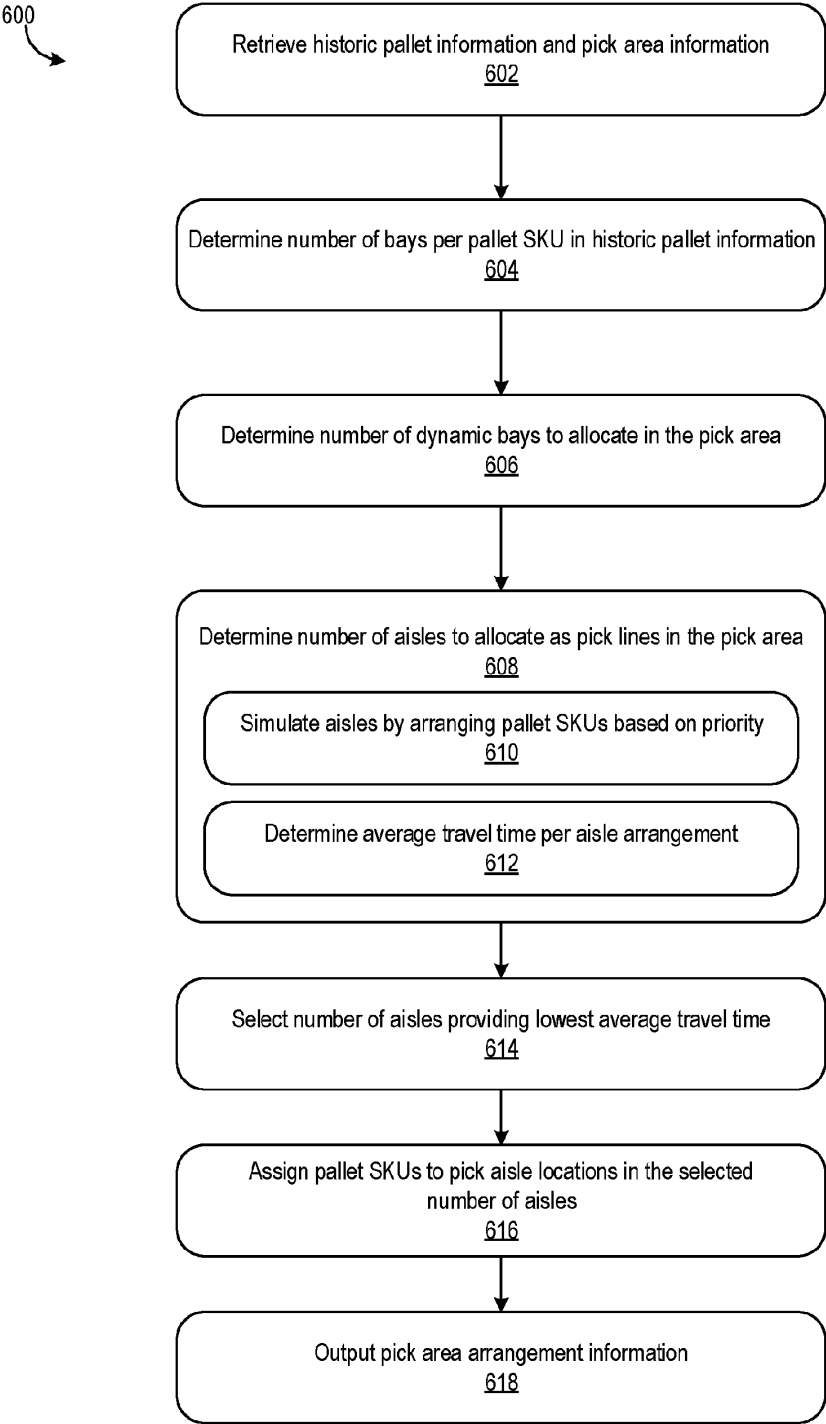


FIG. 6

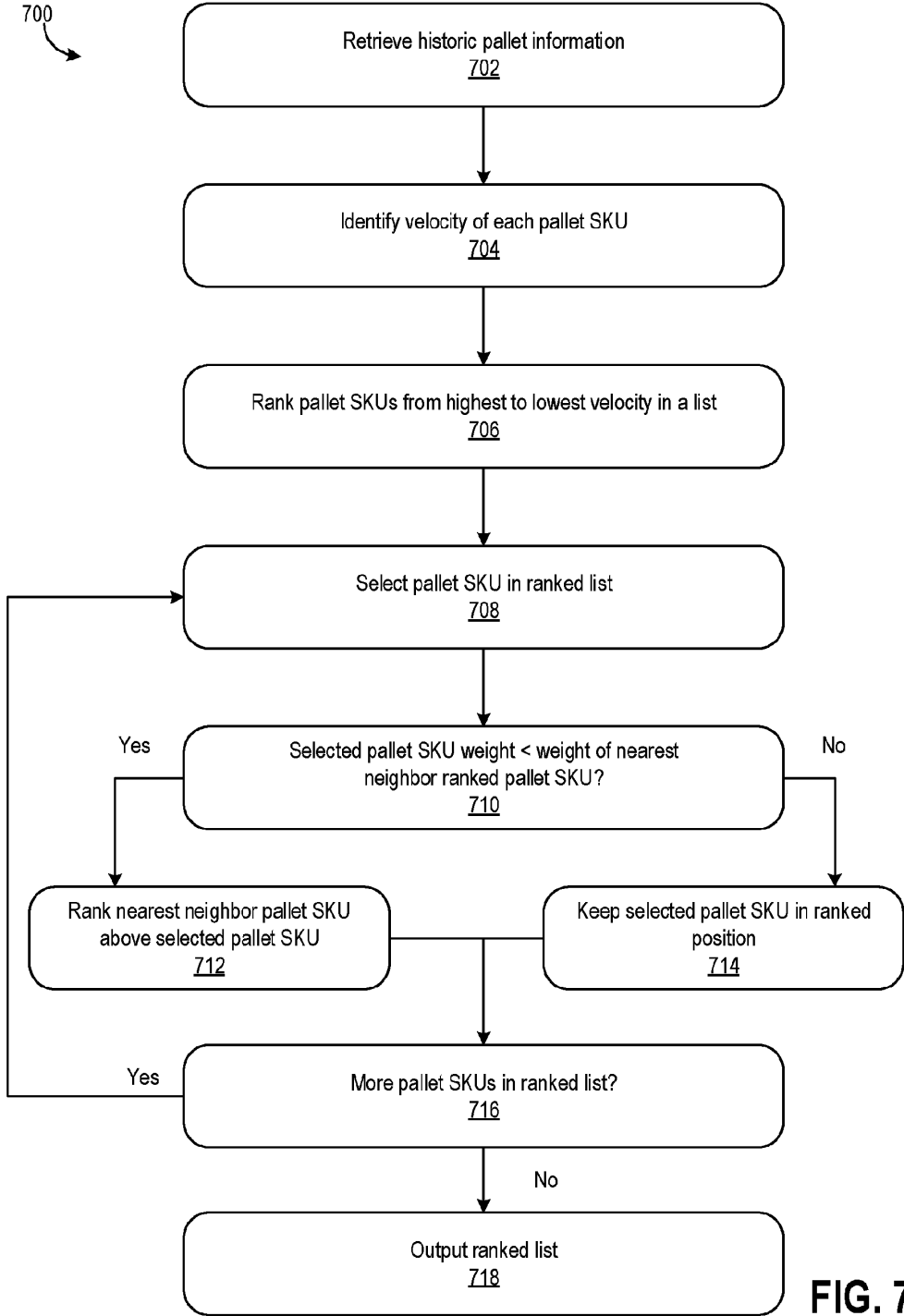


FIG. 7

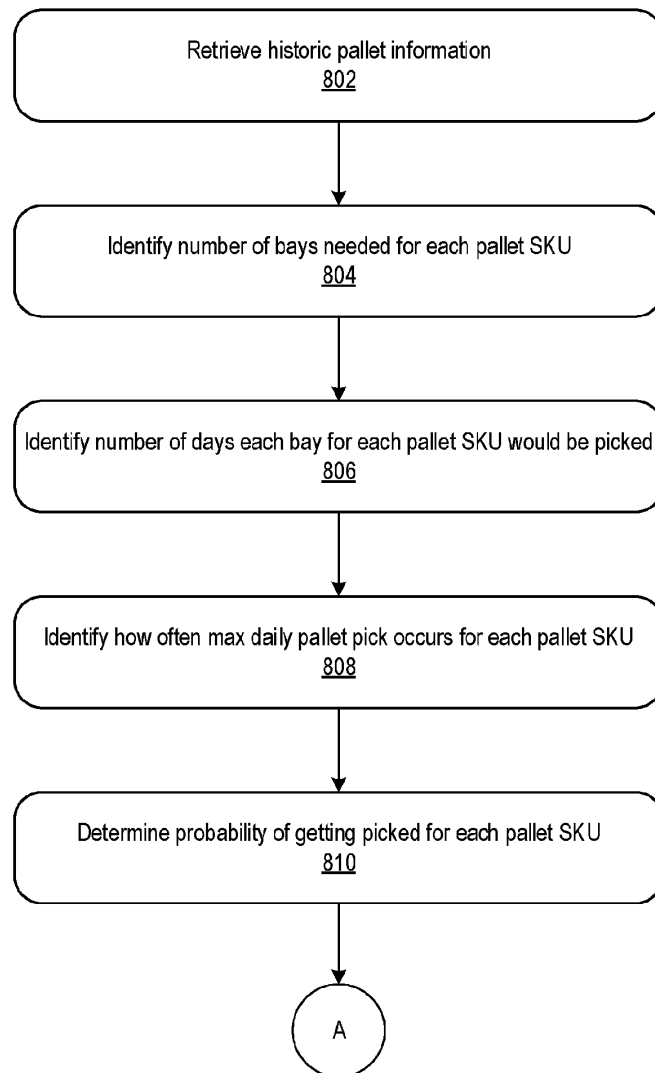
800  


FIG. 8A

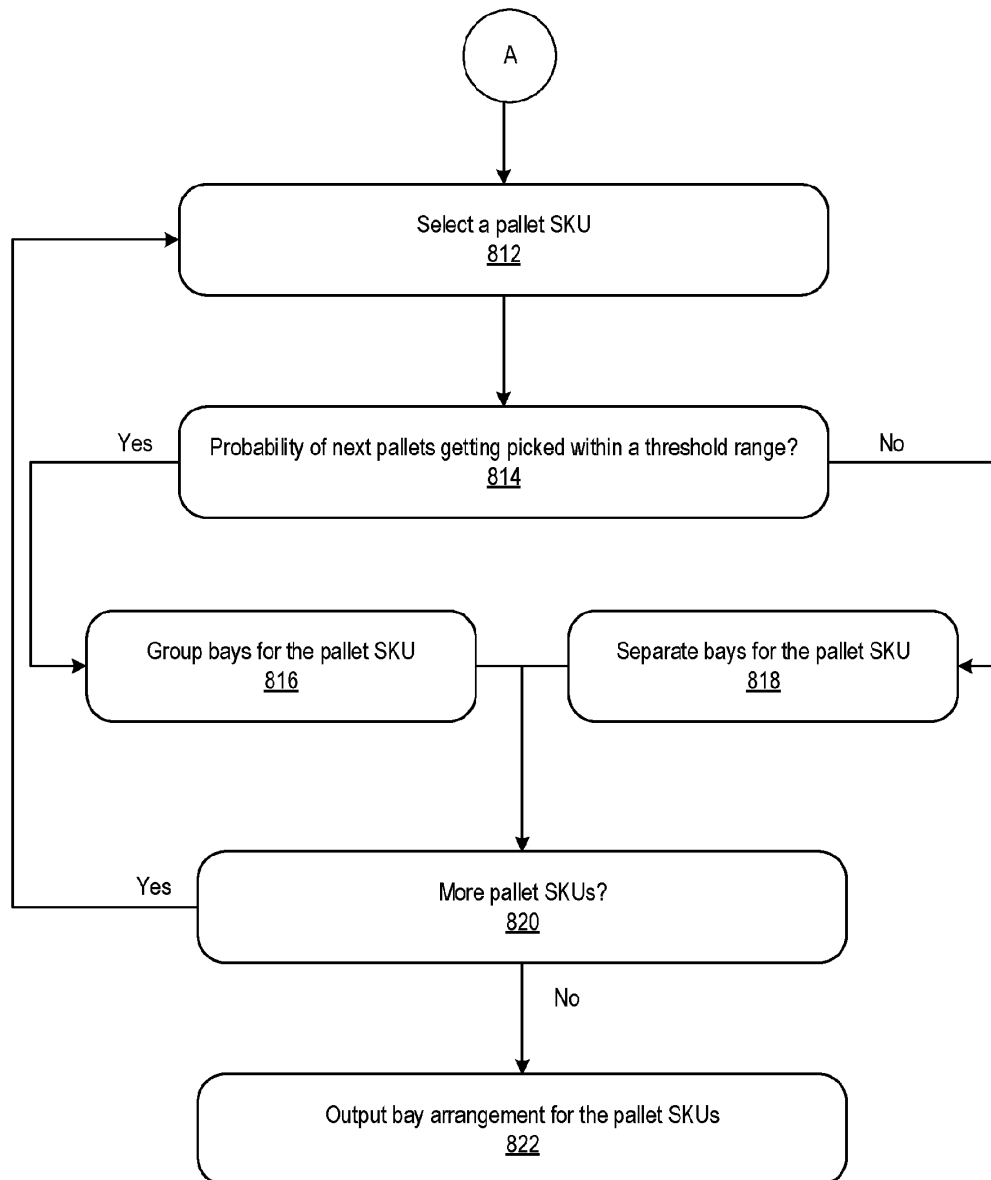


FIG. 8B

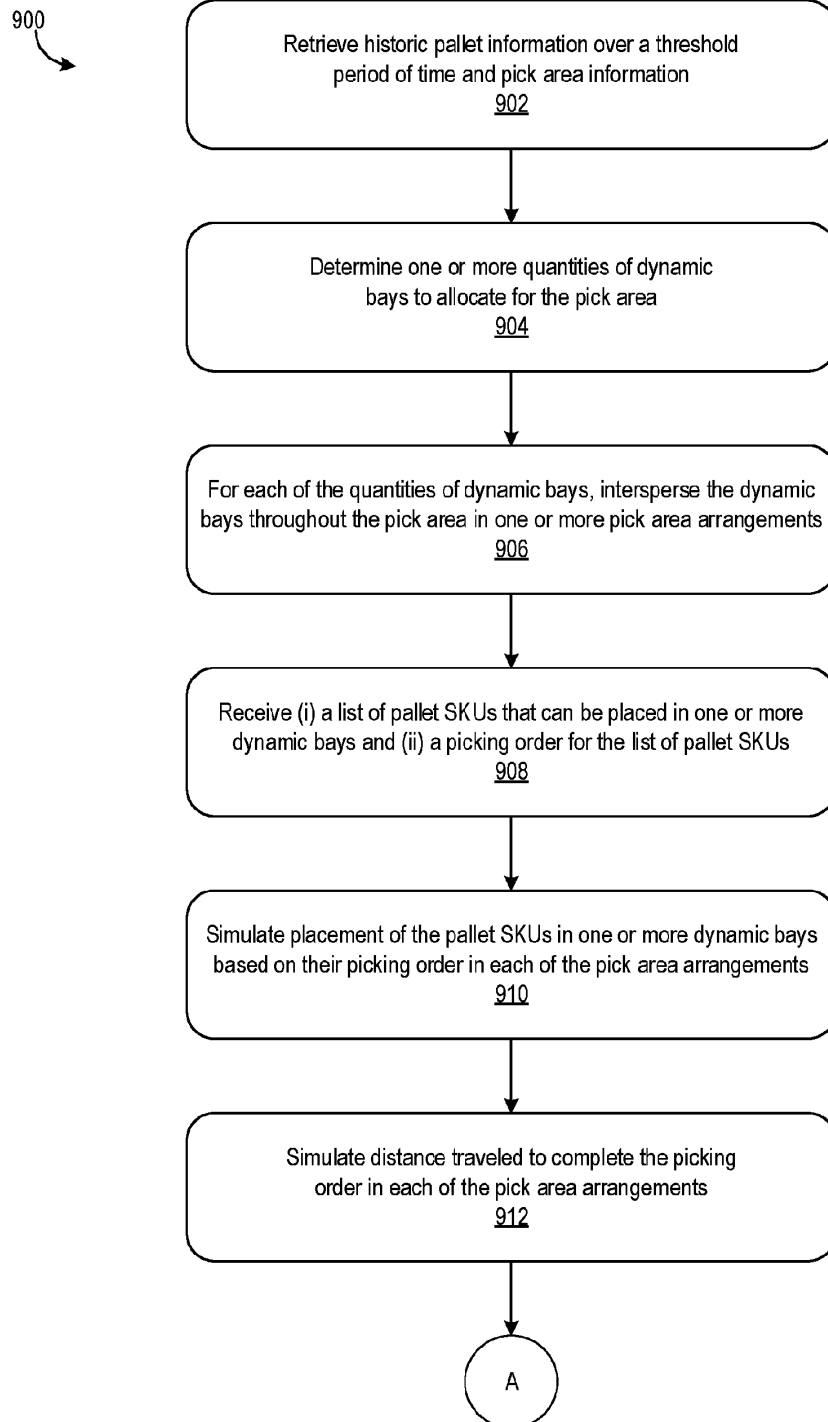


FIG. 9A

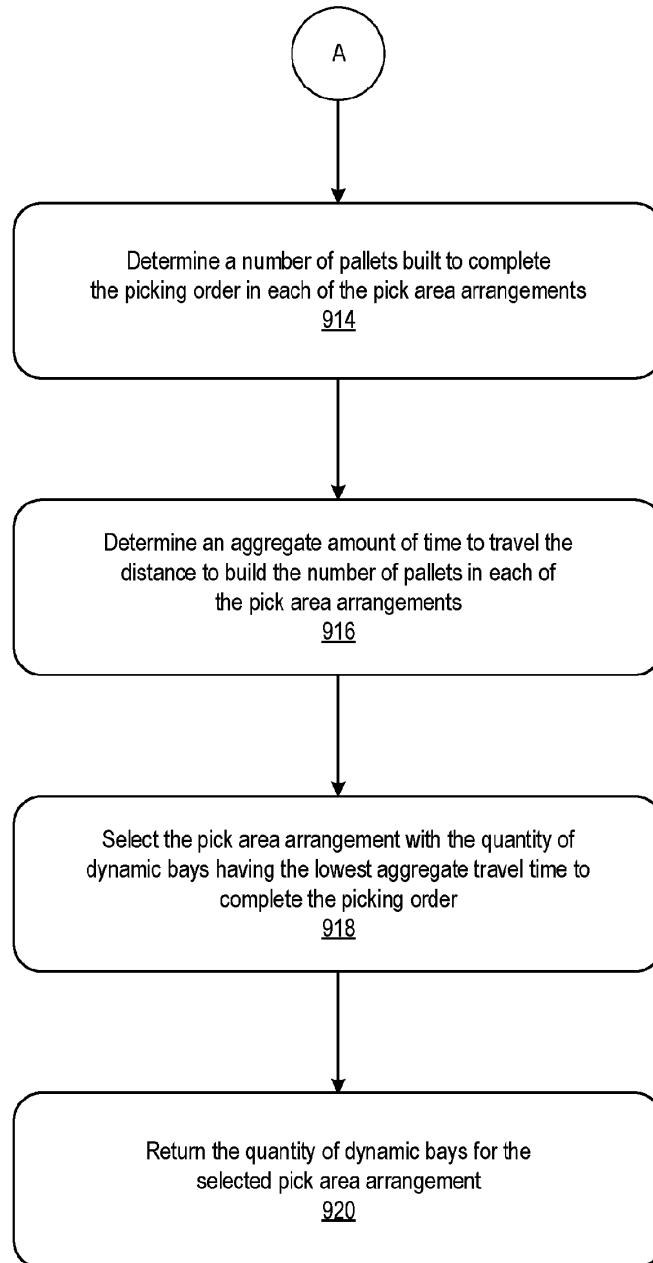


FIG. 9B

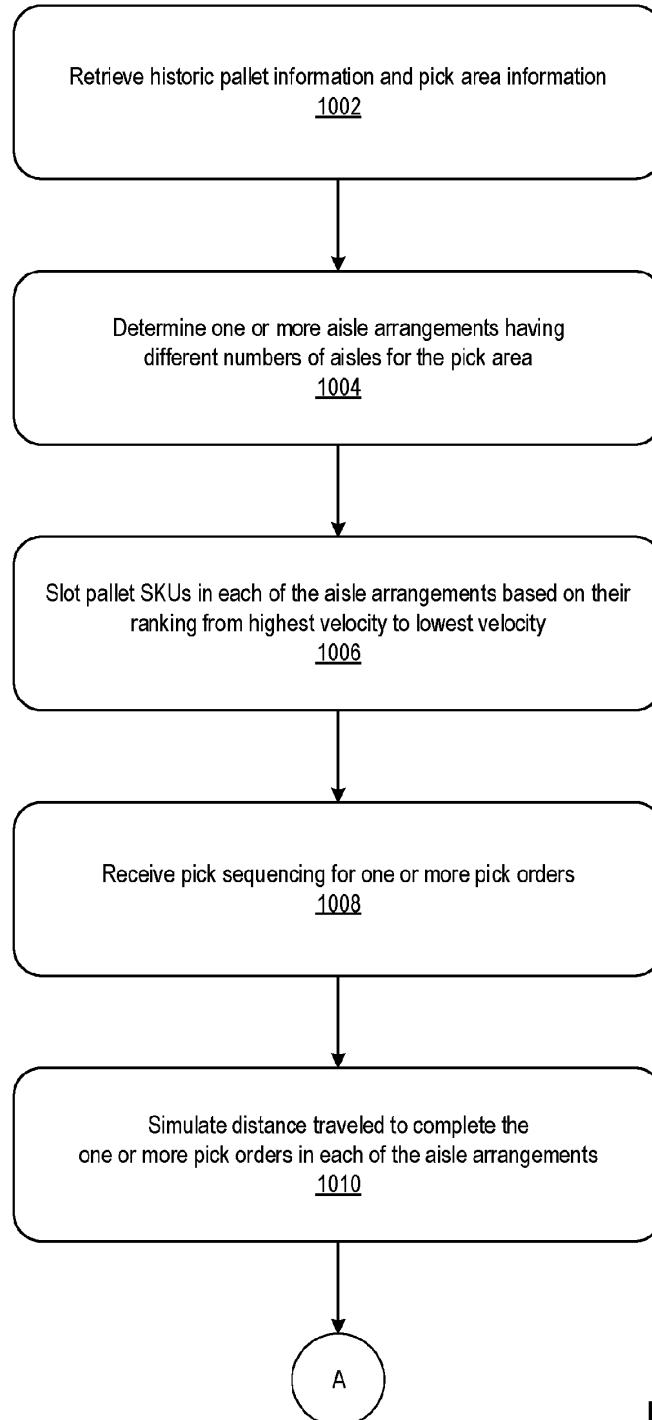
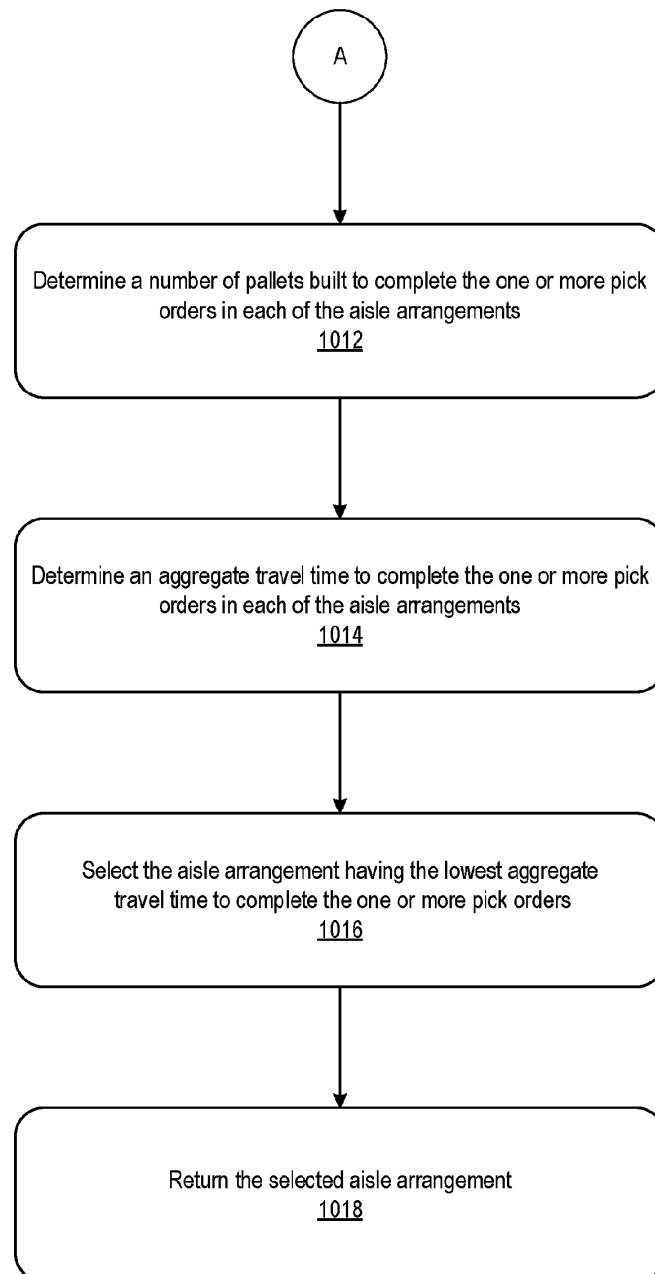
1000  
→

FIG. 10A

**FIG. 10B**

Pick Aisle Arrangements 1020

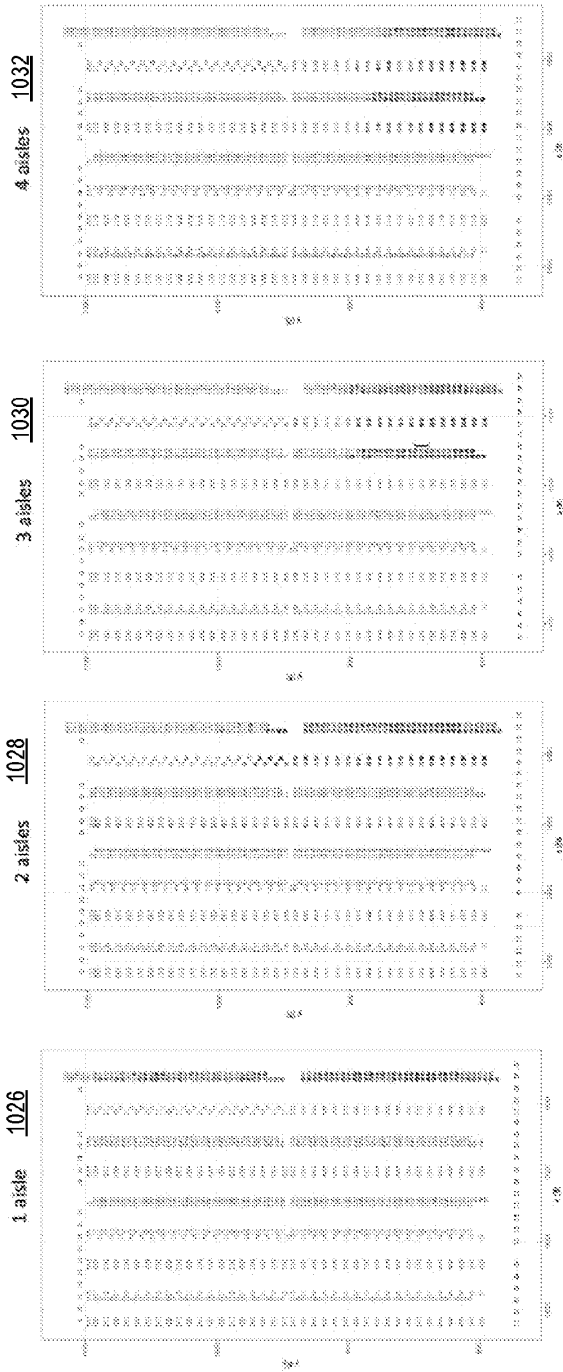
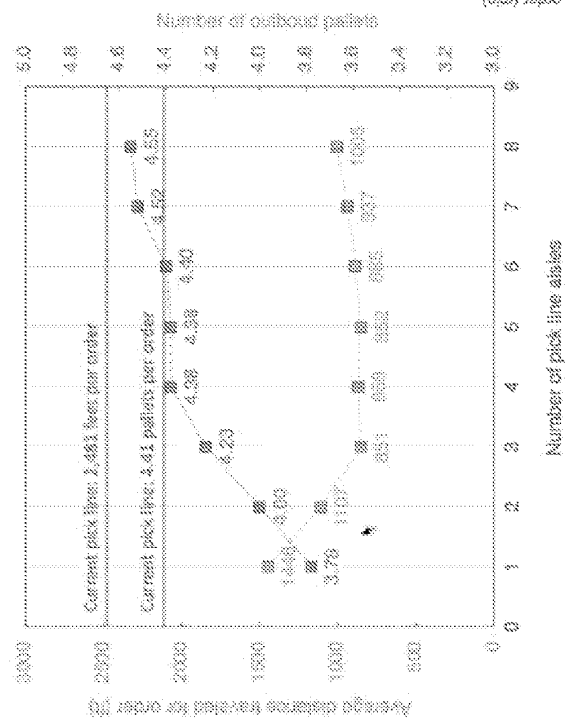


FIG. 10C

Pick Aisle Arrangement Efficiency Graph 1022



Pick Aisle Arrangement Time Efficiency Graph 1024

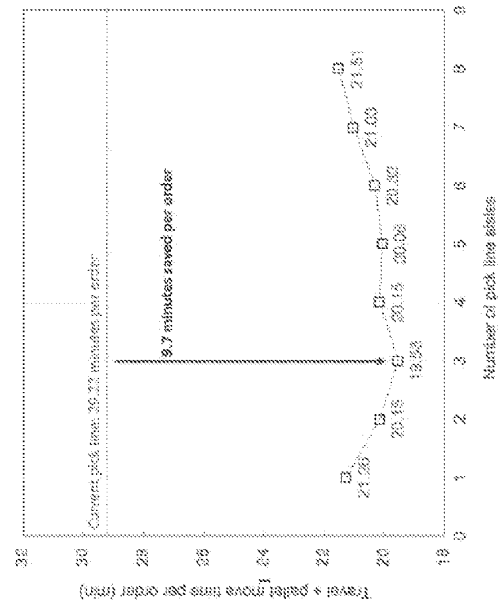


FIG. 10D

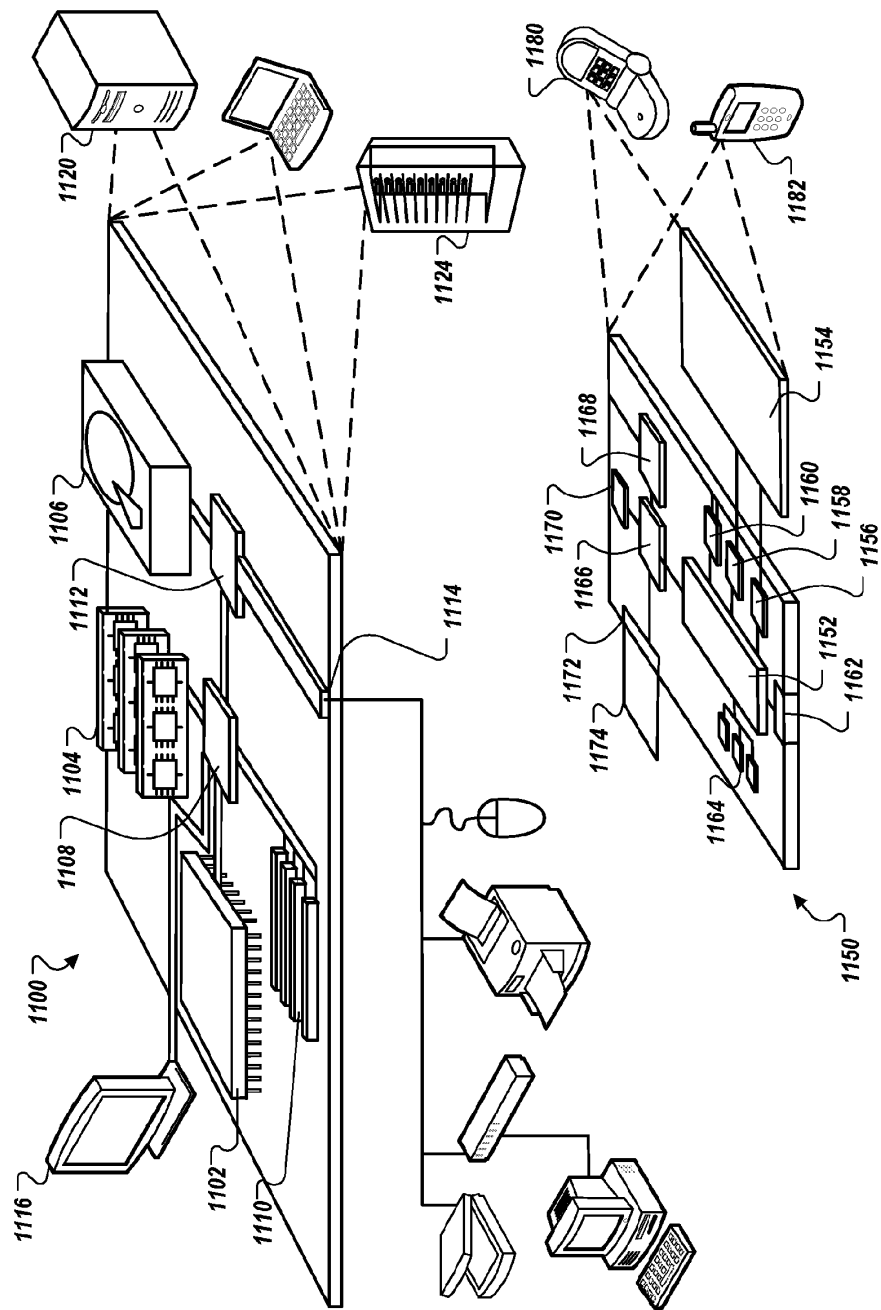


FIG. 11