

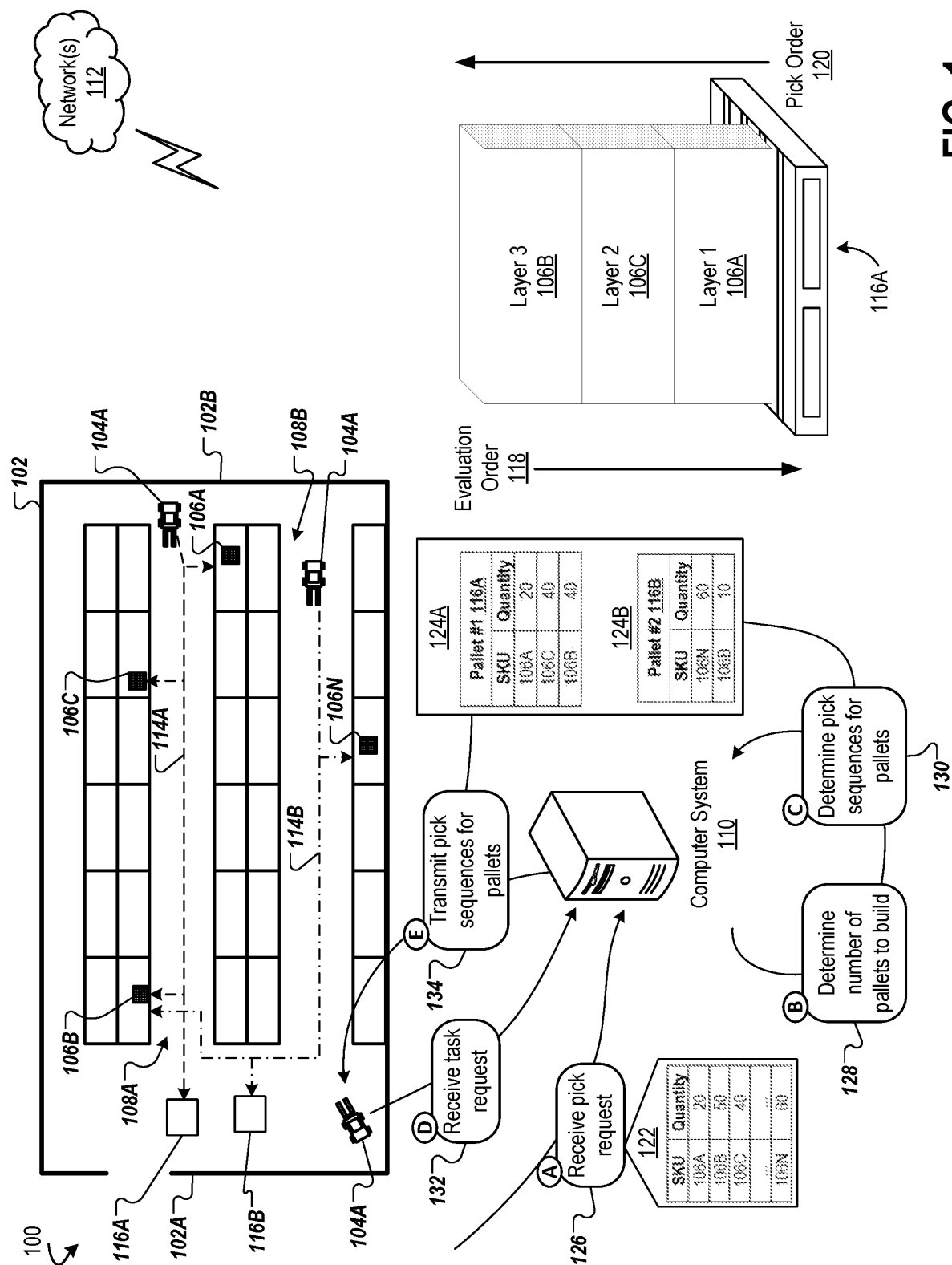


FIG. 1

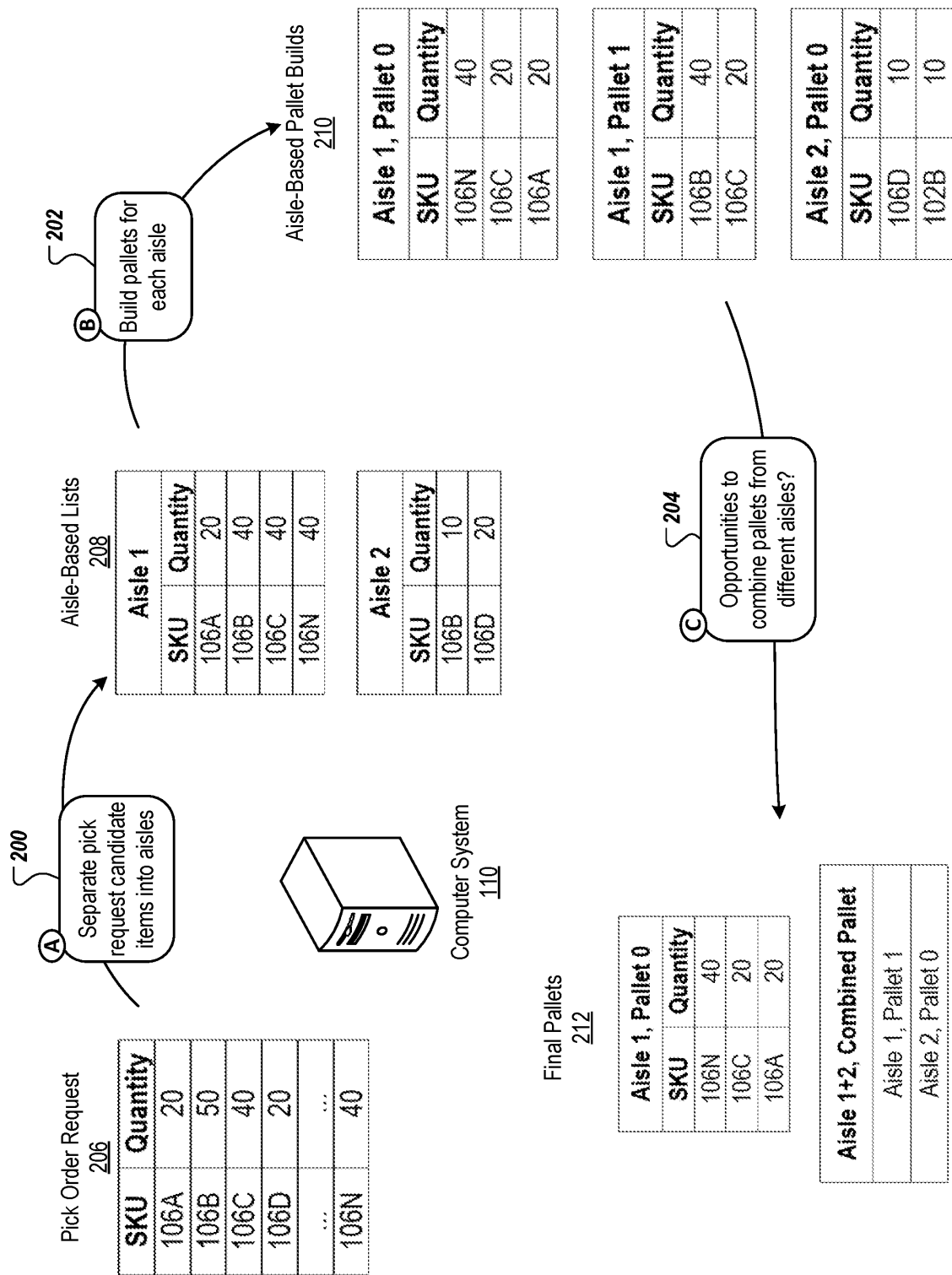


FIG. 2

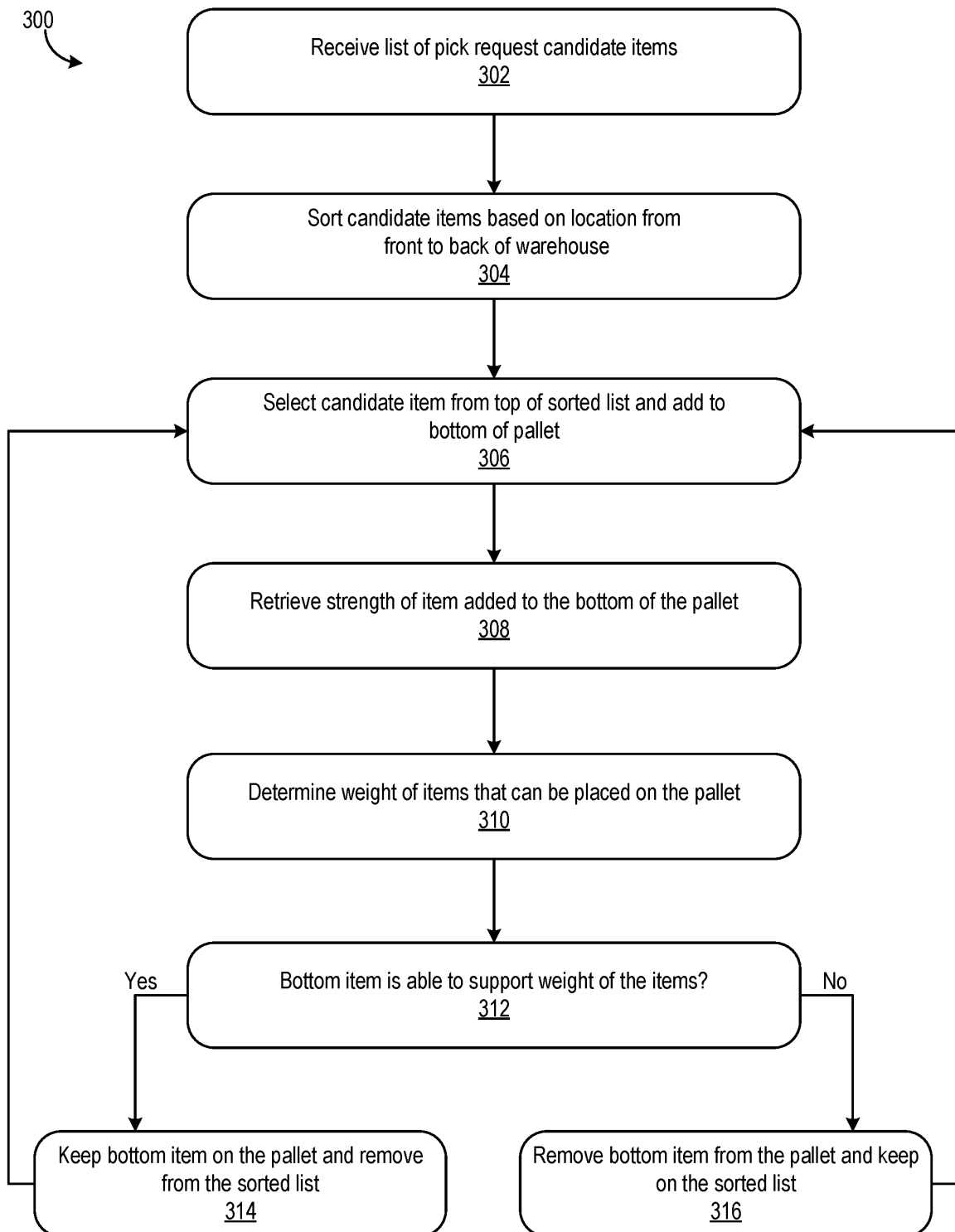


FIG. 3A

Item Information 318

SKU	Layer Strength	Layer Weight	Layer Height	Number of Items per Layer
A	1,000 lb	250 lb	12"	10
B	400 lb	100 lb	15"	20
C	200 lb	100 lb	20"	8
D	750 lb	250 lb	15"	10

Candidate Items

320A

SKU	Quantity
A	10
B	20
C	24
D	10

320B

SKU	Quantity
A	10
C	24
D	10
B	20

320C

SKU	Quantity
C	24
D	10
B	20

320D

SKU	Quantity
C	24
D	10
B	20

320E

SKU	Quantity
C	24
B	20

Pallet Pick Order

322A

SKU	Quantity

322B

SKU	Quantity

322C

SKU	Quantity
A	10

322D

SKU	Quantity
C	24
A	10

120

118

322E

SKU	Quantity
D	10
A	10

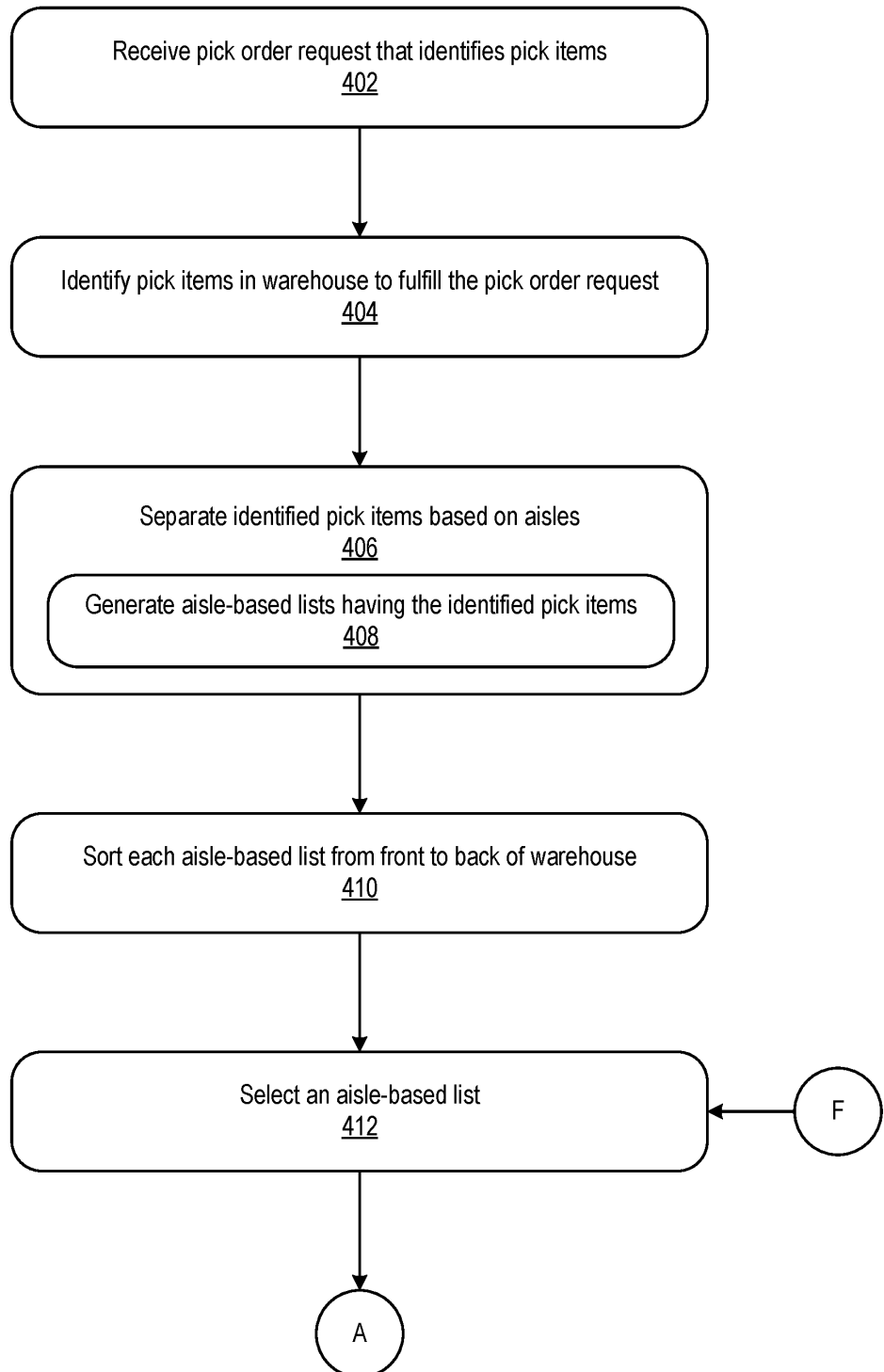
120

118

324A

SKU	Quantity
B	20
C	24

FIG. 3B

400
**FIG. 4A**

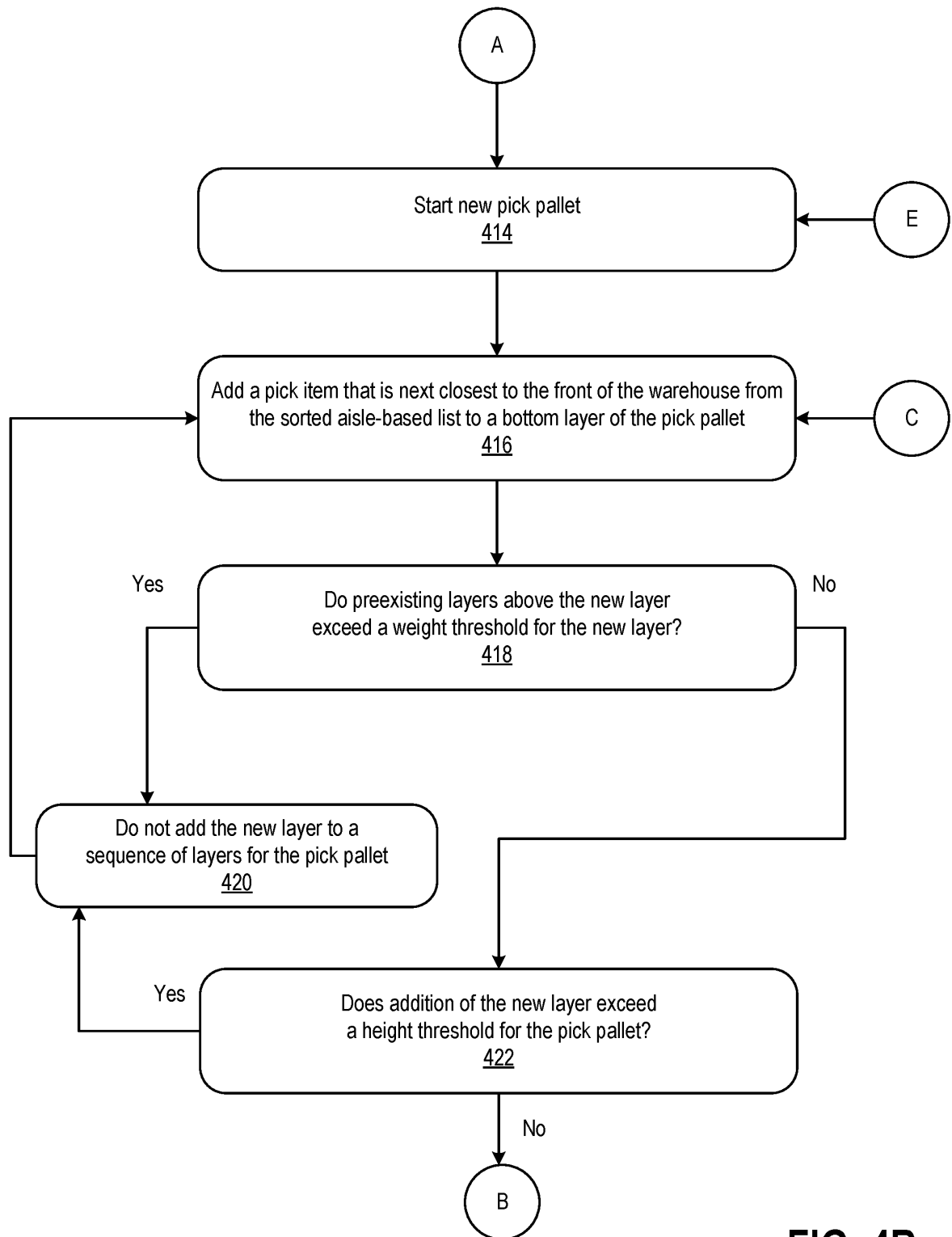


FIG. 4B

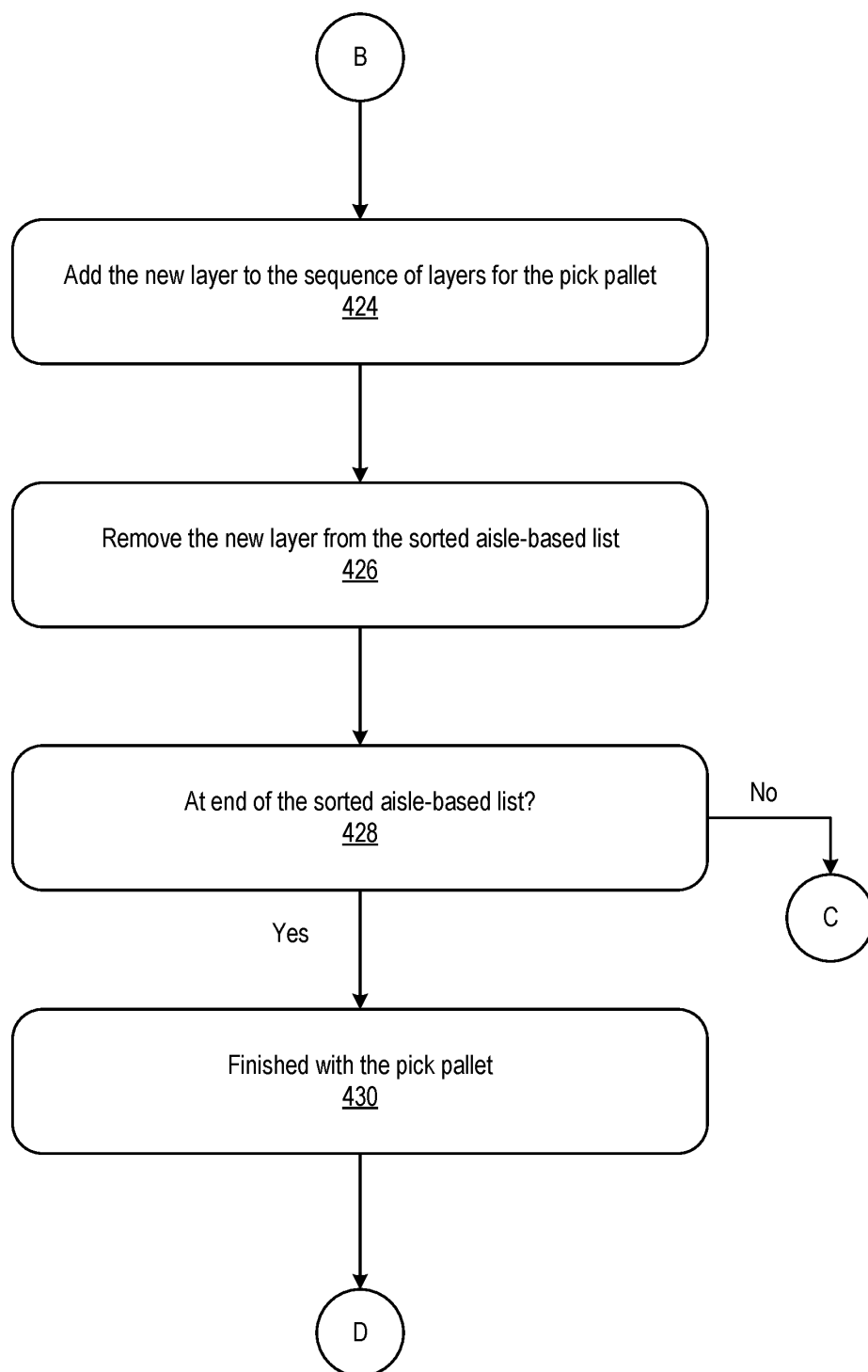


FIG. 4C

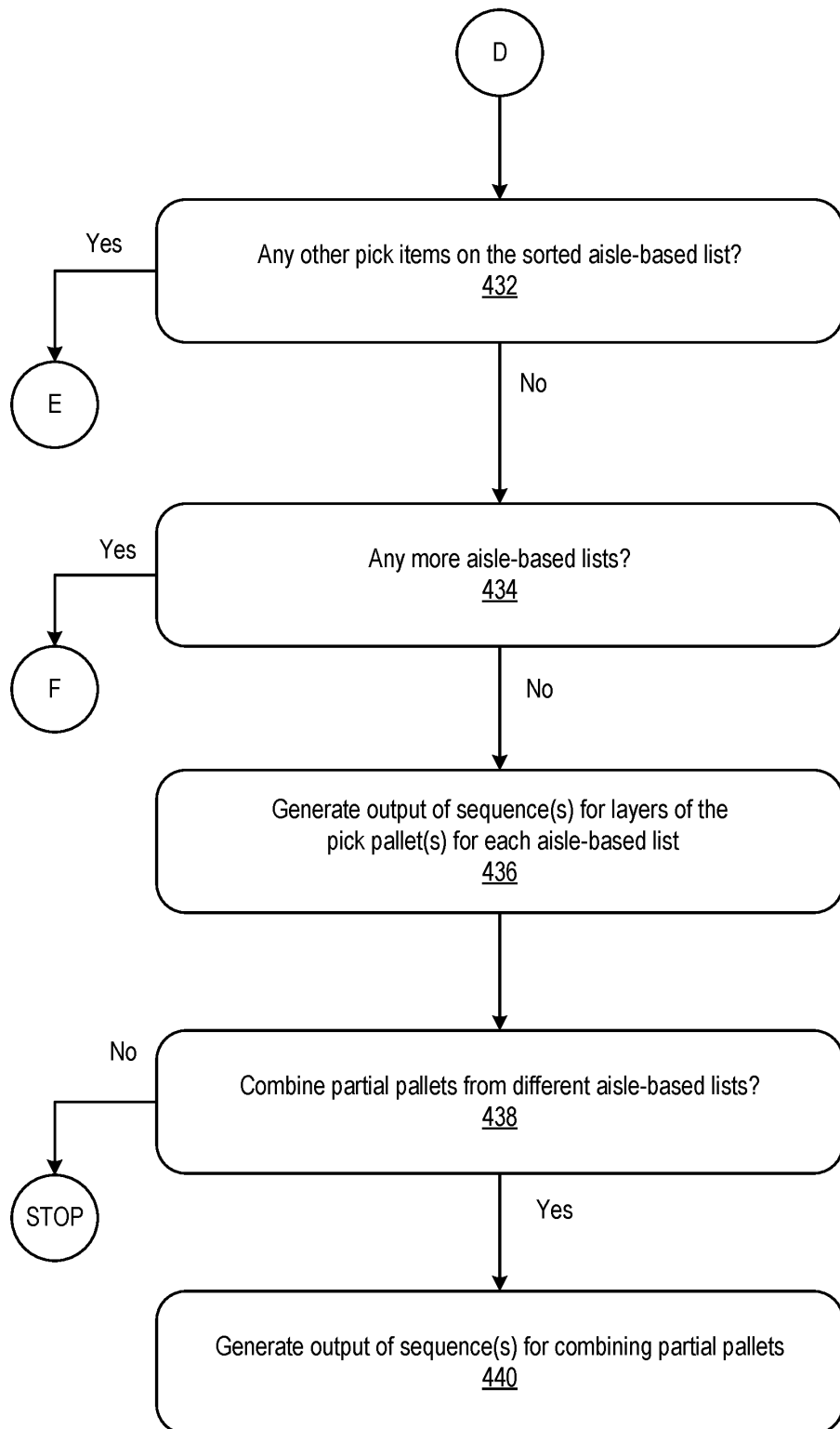
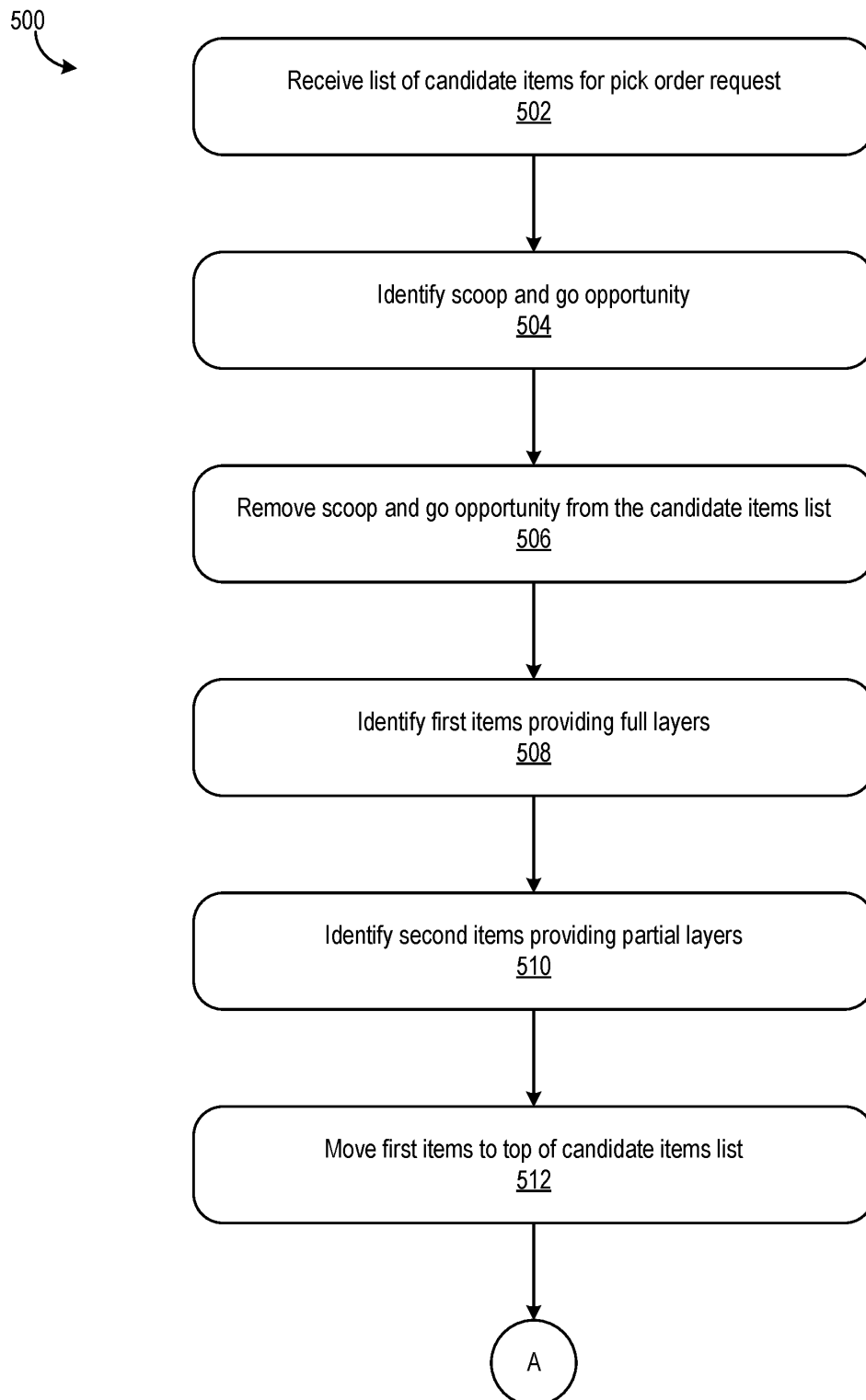
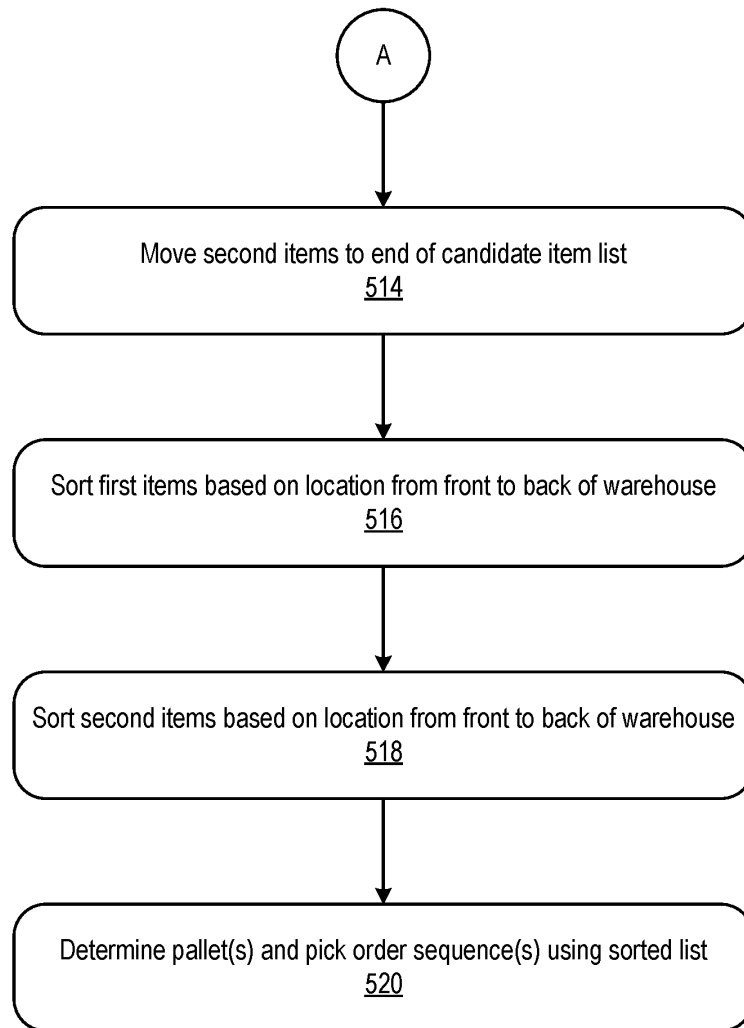


FIG. 4D

**FIG. 5A**

**FIG. 5B**

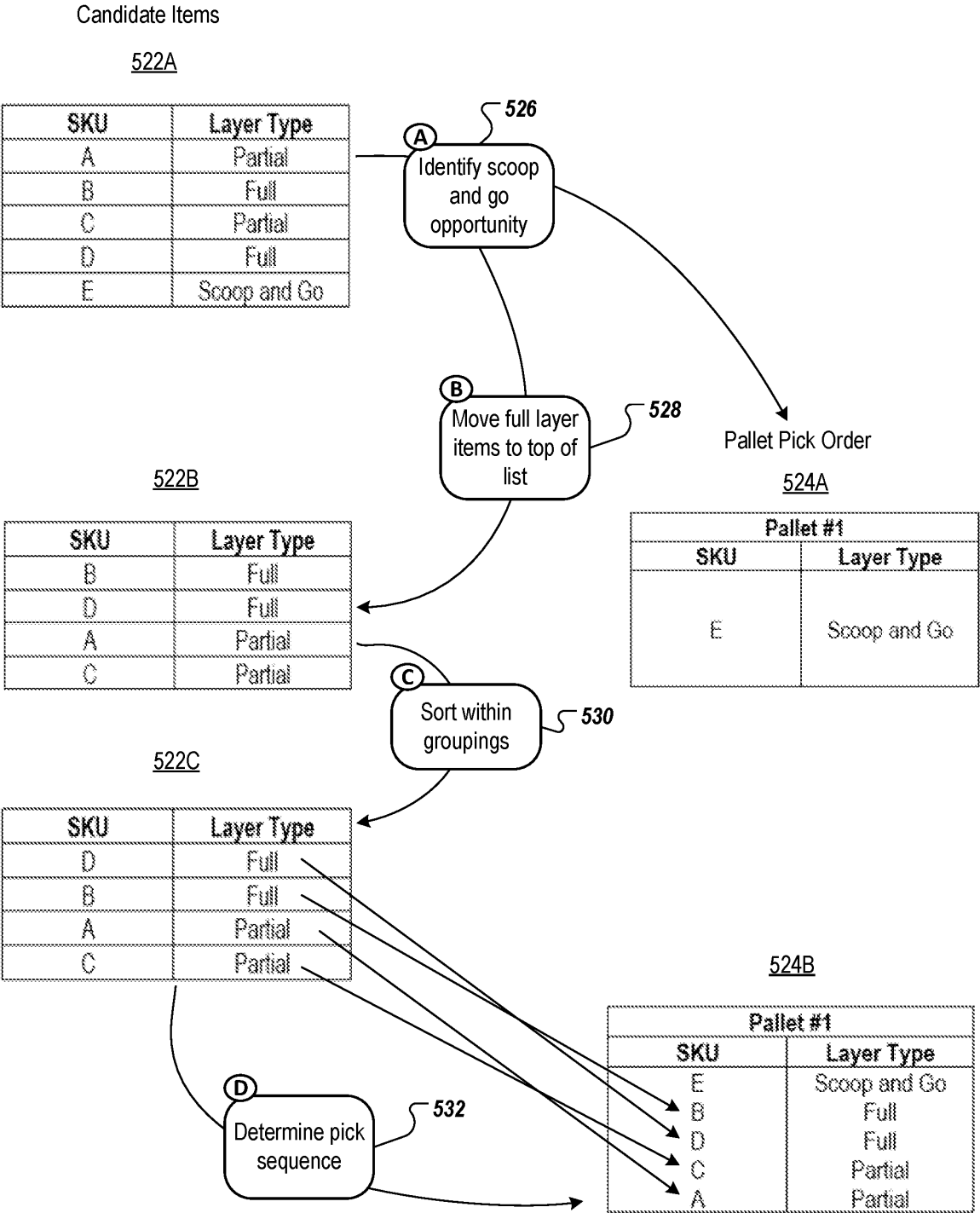
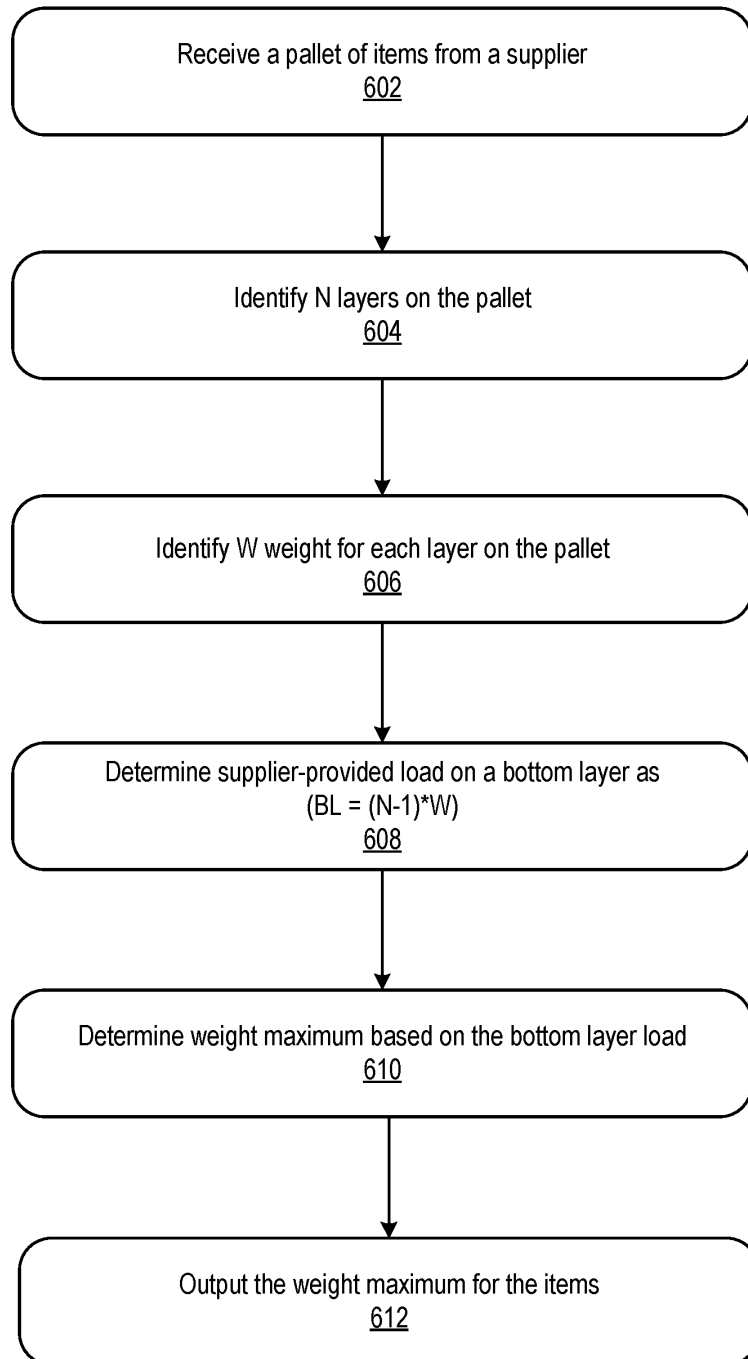


FIG. 5C

600
**FIG. 6**

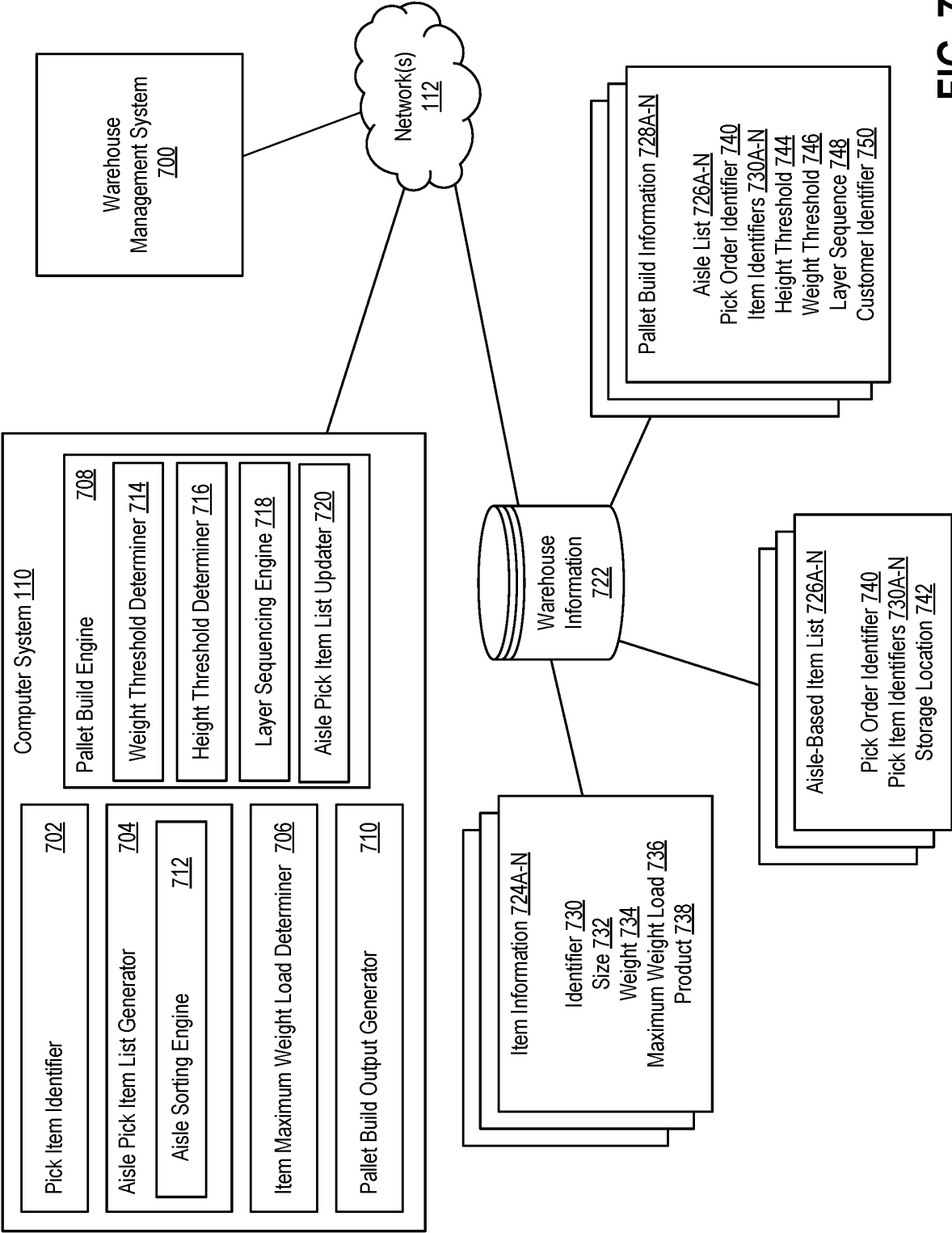


FIG. 7

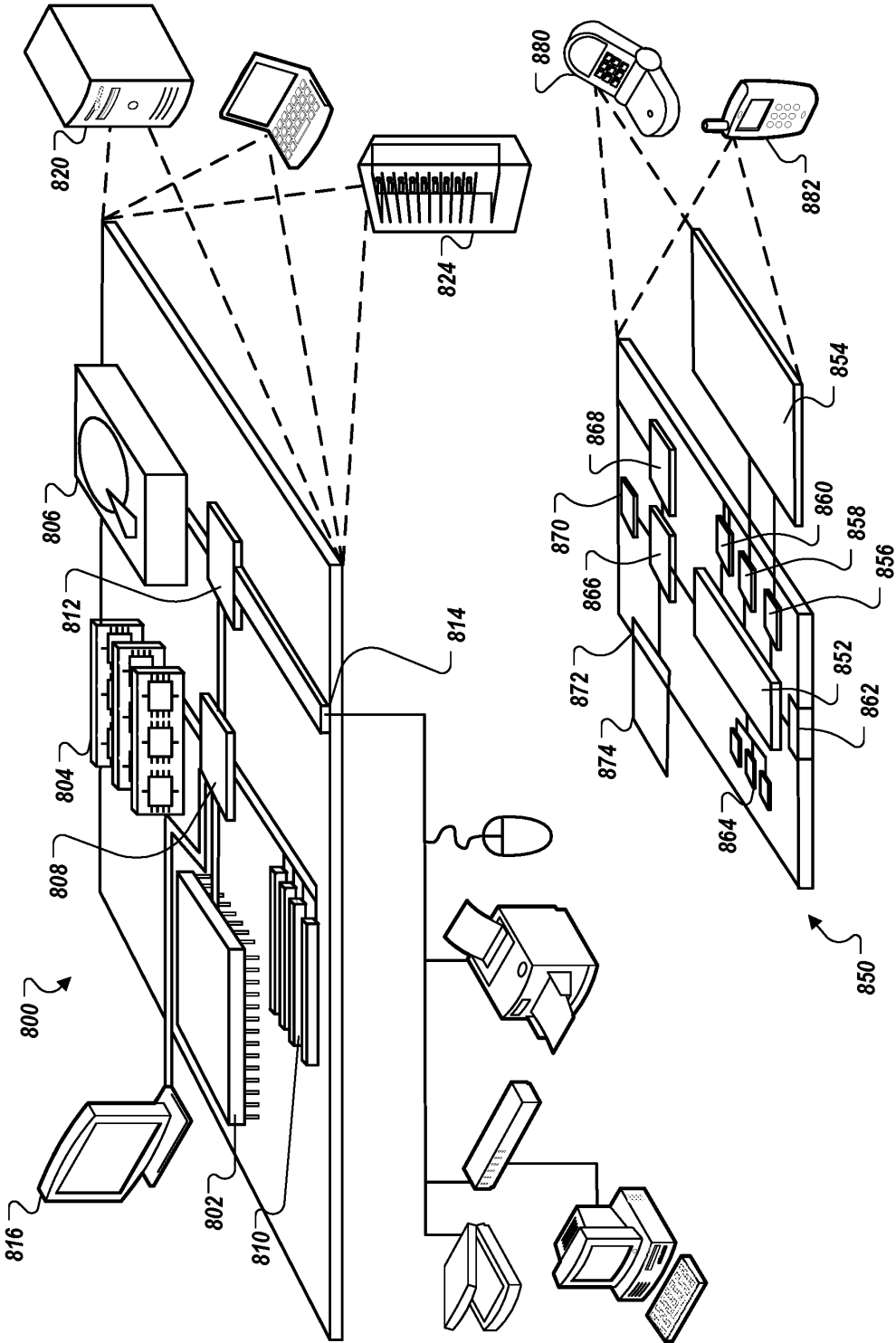


FIG. 8