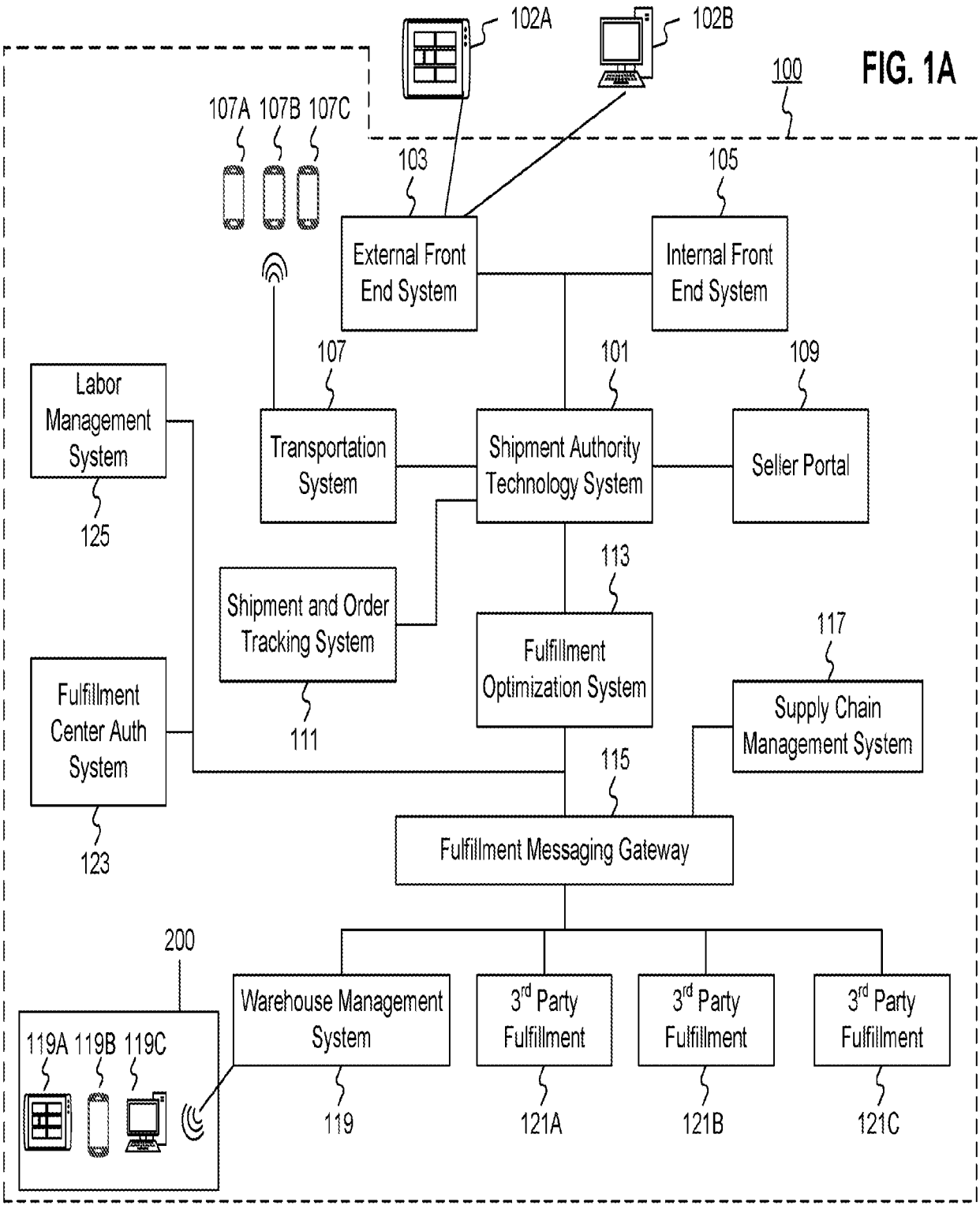

102A
102B
100
107A 107B 107C
103
105
External Front End System
Internal Front End System
107
101
109
Labor Management System
Transportation System
Shipment Authority Technology System
Seller Portal
125
113
Shipment and Order Tracking System
Fulfillment Optimization System
117
Fulfillment Center Auth System
Supply Chain Management System
111
115
123
Fulfillment Messaging Gateway
200
Warehouse Management System
3rd Party Fulfillment
3rd Party Fulfillment
3rd Party Fulfillment
119A 119B 119C
119
121A
121B
121C

FIG. 1A

login Sign Up Service center

Category | Cheese | ?

My Orders Shopping Cart

all **'Cheese'** (65,586) Gift Cards

filter

☐ Fast Delivery
☐ Imported Product

category
All
Food
Silverware
Kitchen utensils
Home electronics digital
Household goods
View more

brands
Local Milk
Daily dairy
Cattle and trees
View more

scope
All stars
4 or more
3 or more
2 or more
1 or more

65,586 results for **'Cheese'**
Related searches: Sliced cheese baby cheese cheddar cheese string cheese butter pizza cheese cream cheese cheese stick cubed cheese parmesan cheese

6 per page

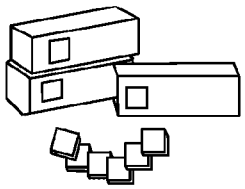
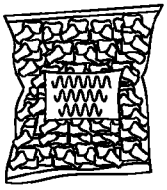
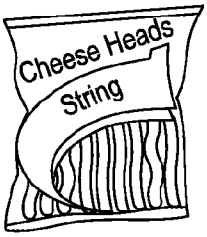
FREE Shipping Sliced cheese, 18g, 100 pieces (88 won per 10 g) Morning (Thursday) (1294)	Mozzarella cheese, 1kg, 2 pieces (103 won per 10 g) Tomorrow (Wed) (285)	 100 grams of cheddar sliced cheese, 18 grams, 100 pieces (73 won per 10 g) Morning (Thursday) (862)
Grated Parmesan Cheese, 85g,1 piece (389 won per 10g) Tomorrow (Wed) (839)	 Mozzarella cheese, 1 kg, 1 (85 won per 10g) Morning (Thursday) (379)	 FREE Shipping 1.36 kg of string cheese Morning (Thursday) (337)

FIG. 1B

Favorites Application login Sign Up Service center

all

My Account Shopping Cart

Shipments Fast Shipments Christmas Gold deals Regular delivery Events / Coupons Planned Exhibition
Gift Cards

Home > Food > Daily products / ice cream > Cheese > Fresh cheese > Mozzarella

mozzarella cheese
285 Reviews
20,000 won

FREE Shipping
Tomorrow (Wed) 11/28 Arrival Guarantee

Weight per piece x Quantity : **1kg x 2 pieces**

1 | **Add to cart** | Buy now

- Country of origin: See product description
- Shelf Life: 2019-11-04
- Total quantity: 2
- Cheese form: crushed (powder)
- Item Number: 23532 - 3432551

Products purchased by other customers

Rosé spaghetti sauce, 600g, 2...
6,500 won
(54 won per 10g)
(3,721)

Chunky Tomato Pasta...
3,800 won
(86 won per 10g)
(545)

Grated Parmesan cheese,
6,460 won
(285 won per 10g)
(1,330)

Bacon and Mushroom Cream Pasta Sauce
4,870 won
(108 won per 10g)
(3,193)

Chili sauce, 295ml, 1
2,370 won
(80 won per 10ml)
(2,552)

Hot sauce,
2,340 won
(66 won per 10ml)
(245)

Product Details **Reviews (285)** **Contact Us** **Shipping & Returns**

Required notation information

Type of food	Natural cheese / frozen products	Producers and Locations	Cheese Corp. / Republic of Korea
Date of manufacture, shelf life or quality maintenance	Shelf Life: Products manufactured on or after November 04, 2019 : Manufactured goods after May 19, 2018	Capacity (weight), quantity by packing unit	1kg, 2 pieces
Ingredients and	Content reference	nutrient	None

FIG. 1C

11/28/2018 Shopping Cart

General Purchasing (1) | Periodic Delivery (0)

☑ Select All | Product Information | Item Amount | shipping fee

Rocket shipping products free shipping

☑ Mozzarella cheese, 1kg, 2 pieces
Tomorrow (Thursday) 11/29
Arrival guarantee (order before 12 pm)
20,510 won
1 ▼ free

Even if you add other rocket shipping products, free shipping available | shipping **Free** | Order amount **$20.00**

☑ Select All (1/1) | Delete all | sold out / discontinued products clear all | interest payment

$__.00

Continue shopping | Buy now

Customers who bought this product also purchased 1/5

Rosé spaghetti sauce, 600g, 2 pieces
6,500 won
(54 won per 10g)

Napoli Chunky Tomato Pasta Sauce,
3,800 won
(86 won per 10g)

Grated Parmesan cheese,
6,460 won
(285 won per 10g)

Bacon and Mushroom Cream Pasta Sauce,
4,870 won
(108 won per 10g)

FIG. 1D

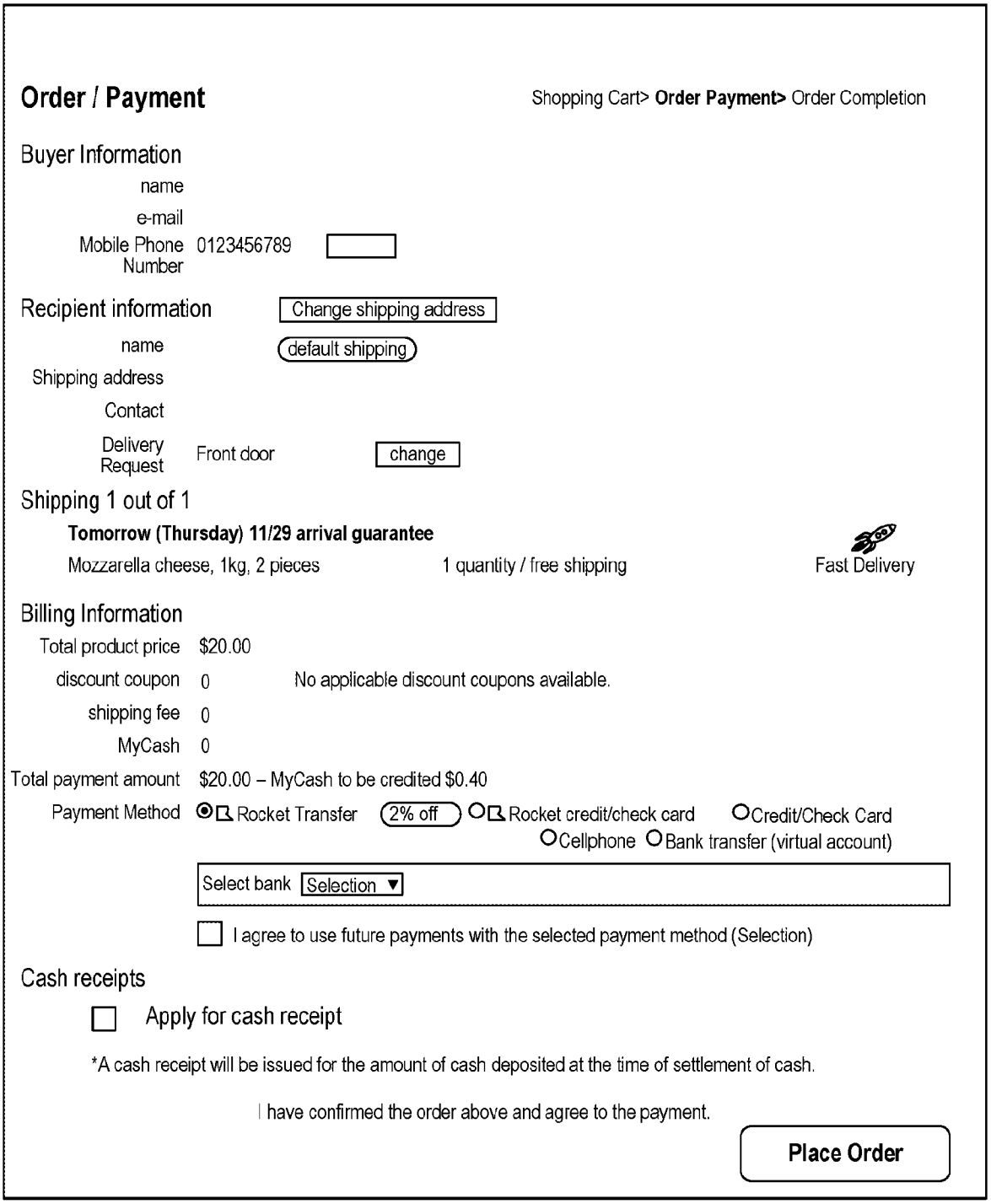

Order / Payment
Shopping Cart> Order Payment> Order Completion
Buyer Information
name
e-mail
Mobile Phone Number 0123456789
Recipient information
Change shipping address
name
default shipping
Shipping address
Contact
Delivery Request Front door
change
Shipping 1 out of 1
Tomorrow (Thursday) 11/29 arrival guarantee
Mozzarella cheese, 1kg, 2 pieces
1 quantity / free shipping
Fast Delivery
Billing Information
Total product price $20.00
discount coupon 0
No applicable discount coupons available.
shipping fee 0
MyCash 0
Total payment amount $20.00 – MyCash to be credited $0.40
Payment Method
Rocket Transfer
2% off
Rocket credit/check card
Credit/Check Card
Cellphone
Bank transfer (virtual account)
Select bank Selection
I agree to use future payments with the selected payment method (Selection)
Cash receipts
Apply for cash receipt
*A cash receipt will be issued for the amount of cash deposited at the time of settlement of cash.
I have confirmed the order above and agree to the payment.
Place Order

FIG. 1E

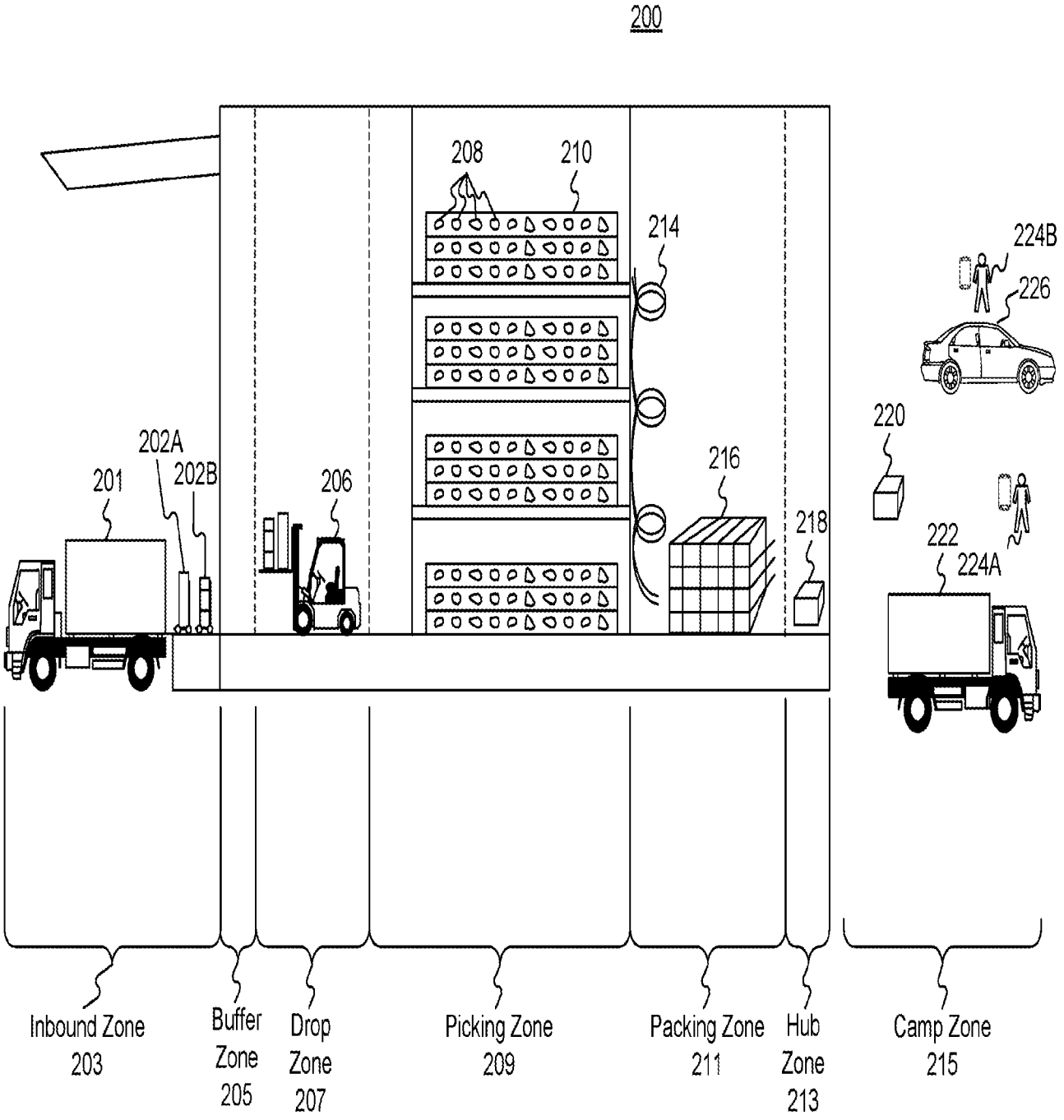

200
208
210
214
224B
226
220
202A
202B
201
206
216
218
222
224A
Inbound Zone 203
Buffer Zone 205
Drop Zone 207
Picking Zone 209
Packing Zone 211
Hub Zone 213
Camp Zone 215

FIG. 2

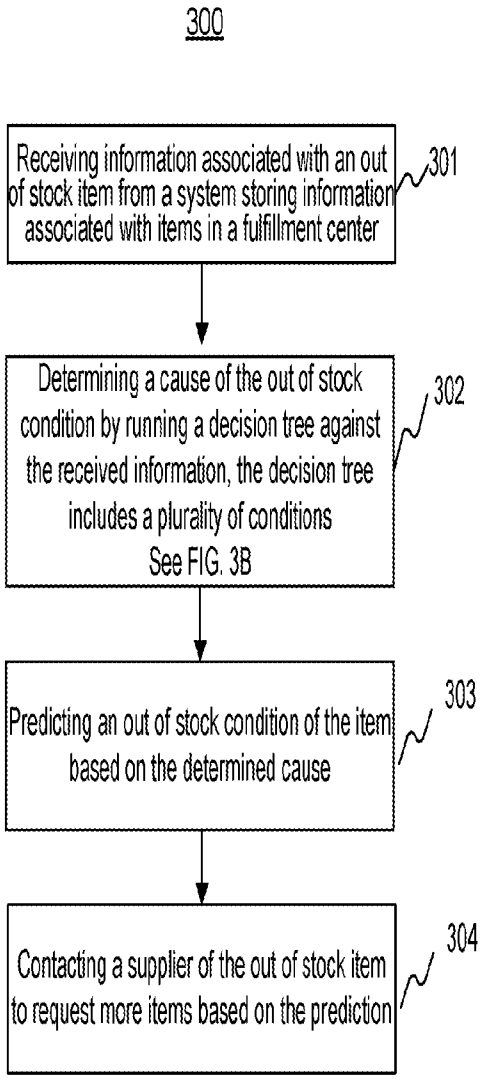

300
Receiving information associated with an out of stock item from a system storing information associated with items in a fulfillment center
301
Determining a cause of the out of stock condition by running a decision tree against the received information, the decision tree includes a plurality of conditions
See FIG. 3B
302
Predicting an out of stock condition of the item based on the determined cause
303
Contacting a supplier of the out of stock item to request more items based on the prediction
304

FIG. 3A

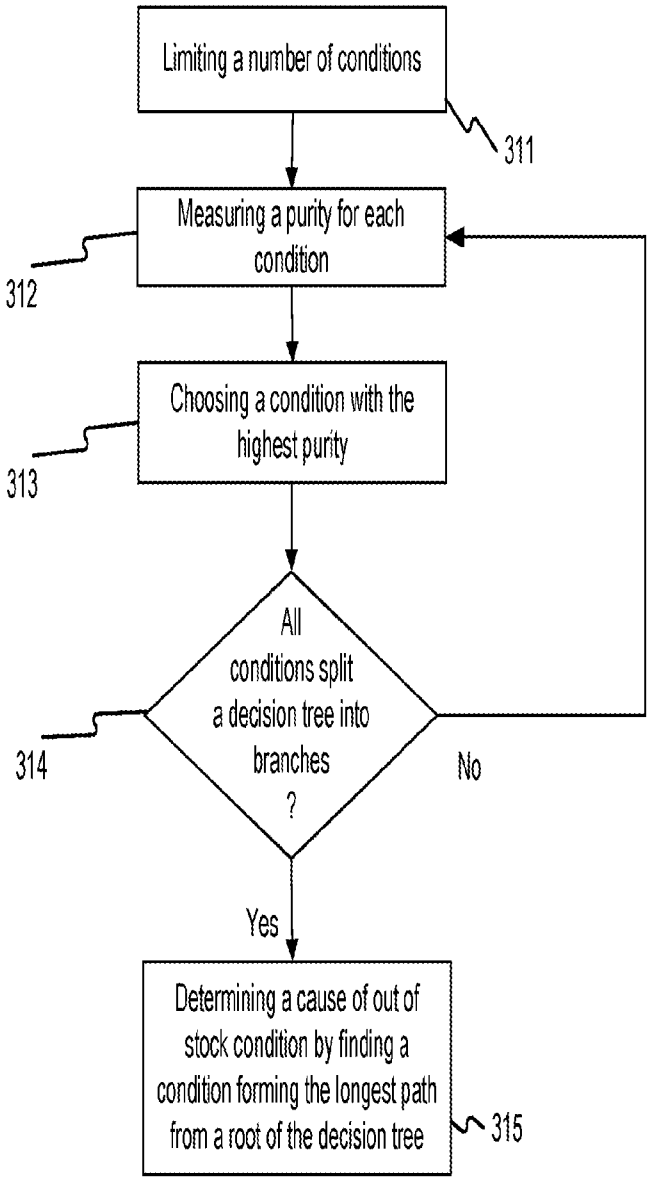

Limiting a number of conditions
311
Measuring a purity for each condition
312
Choosing a condition with the highest purity
313
All conditions split a decision tree into branches ?
314
No
Yes
Determining a cause of out of stock condition by finding a condition forming the longest path from a root of the decision tree
315

FIG. 3B

400

Day	Low Forecast	Unexecuted Purchase Order	Canceled Purchase Order	Out of Stock
D1	No	No	Yes	No
D2	No	No	No	No
D3	Yes	No	Yes	Yes
D4	No	No	Yes	Yes
D5	No	Yes	Yes	Yes
D6	No	Yes	No	No
D7	Yes	Yes	No	Yes
D8	No	No	Yes	No
D9	No	Yes	Yes	Yes
D10	Yes	Yes	No	Yes

FIG. 4A

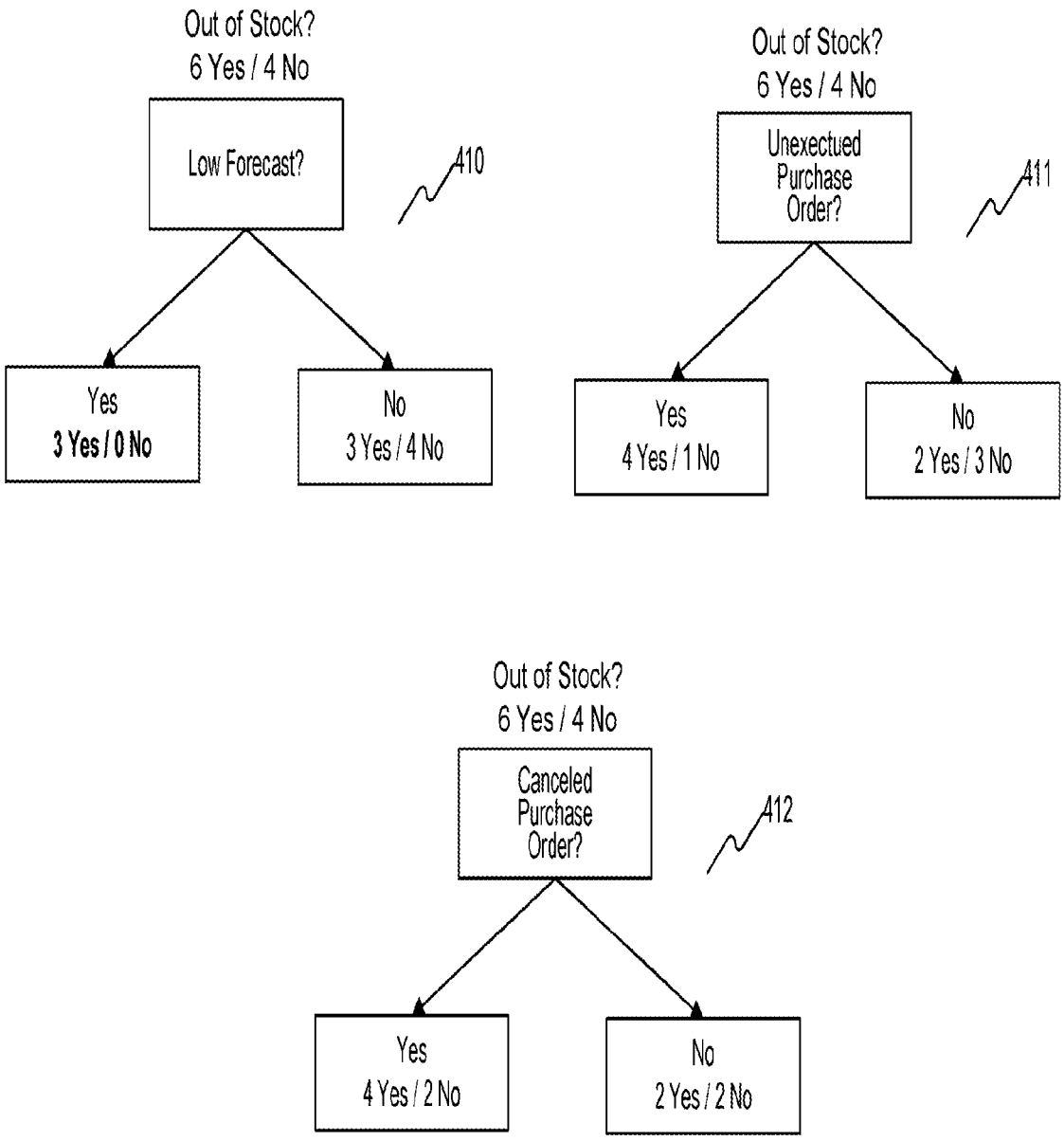

Out of Stock?
6 Yes / 4 No
Low Forecast?
410
Yes
3 Yes / 0 No
No
3 Yes / 4 No
Out of Stock?
6 Yes / 4 No
Unexectued Purchase Order?
411
Yes
4 Yes / 1 No
No
2 Yes / 3 No
Out of Stock?
6 Yes / 4 No
Canceled Purchase Order?
412
Yes
4 Yes / 2 No
No
2 Yes / 2 No

FIG. 4B

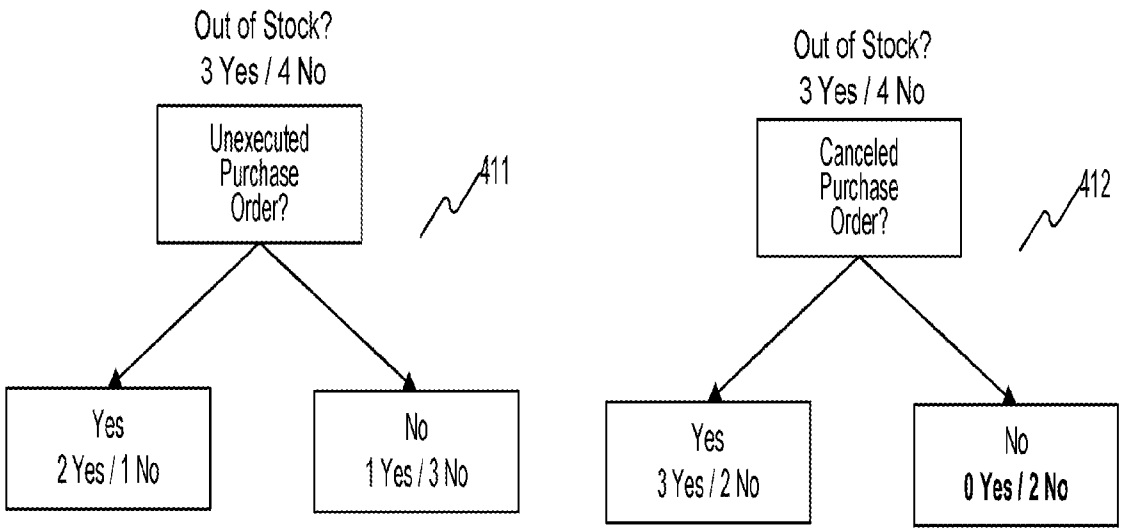

Out of Stock?
3 Yes / 4 No
Unexecuted Purchase Order?
411
Yes
2 Yes / 1 No
No
1 Yes / 3 No
Out of Stock?
3 Yes / 4 No
Canceled Purchase Order?
412
Yes
3 Yes / 2 No
No
0 Yes / 2 No

FIG. 4C

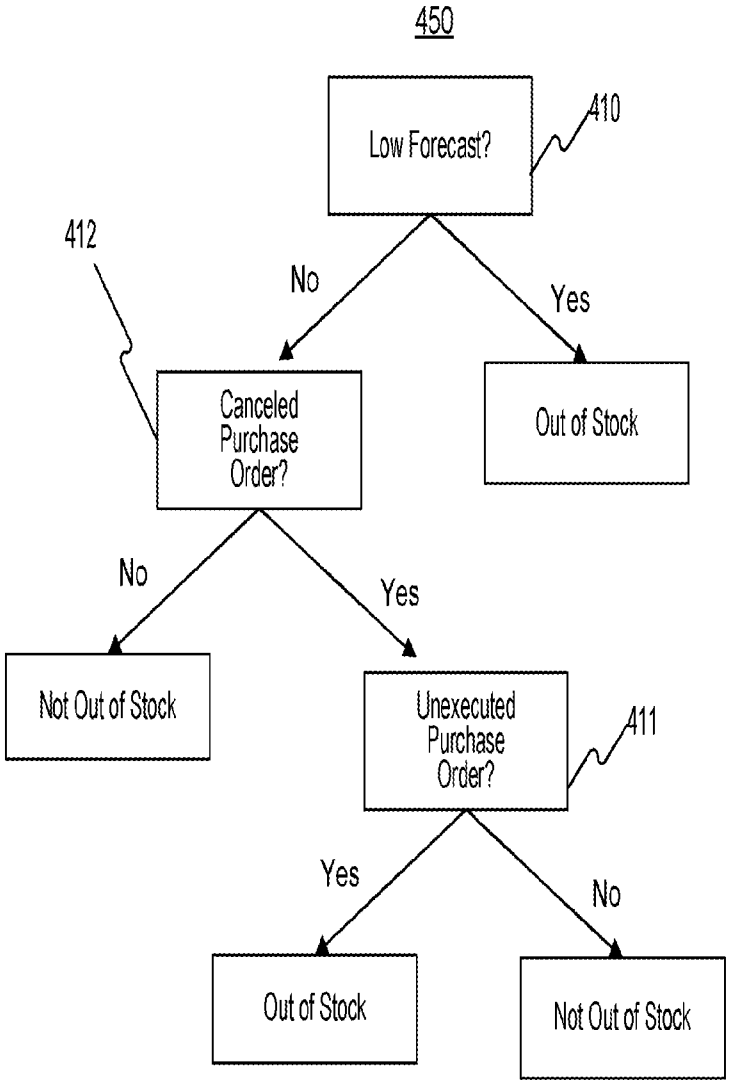

450
Low Forecast?
410
412
No
Yes
Canceled Purchase Order?
Out of Stock
No
Yes
Not Out of Stock
Unexecuted Purchase Order?
411
Yes
No
Out of Stock
Not Out of Stock

FIG. 4D

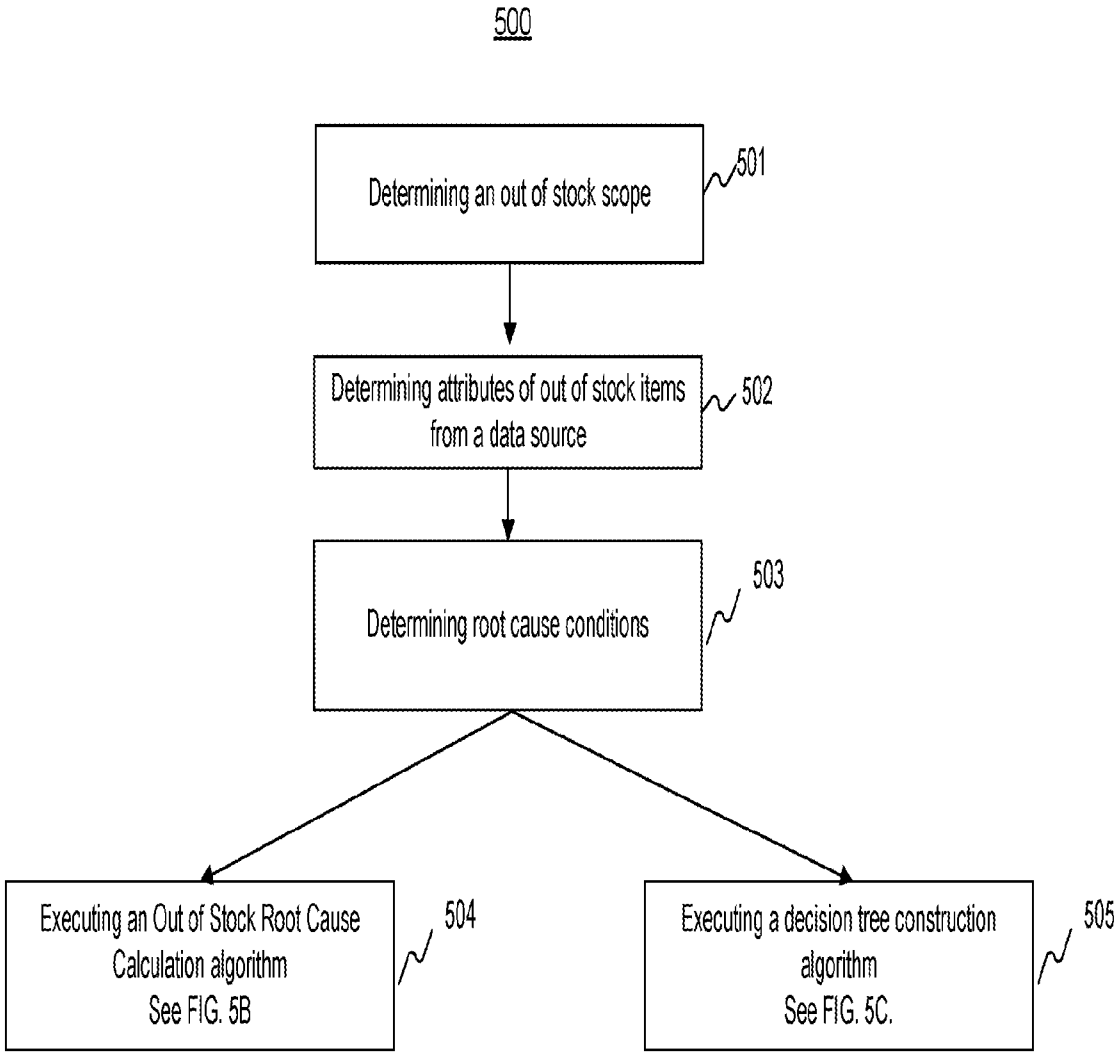

500
Determining an out of stock scope
501
Determining attributes of out of stock items from a data source
502
Determining root cause conditions
503
Executing an Out of Stock Root Cause Calculation algorithm See FIG. 5B
504
Executing a decision tree construction algorithm See FIG. 5C.
505

FIG. 5A

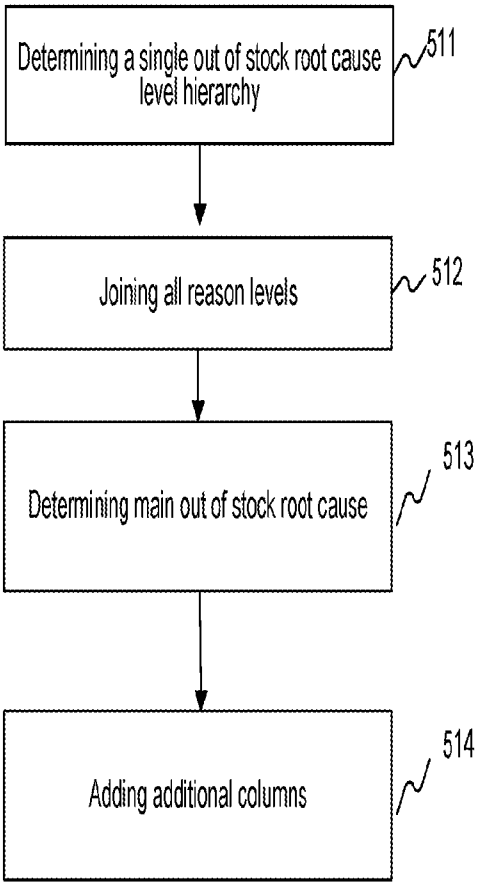

Determining a single out of stock root cause level hierarchy
511
Joining all reason levels
512
Determining main out of stock root cause
513
Adding additional columns
514

FIG. 5B

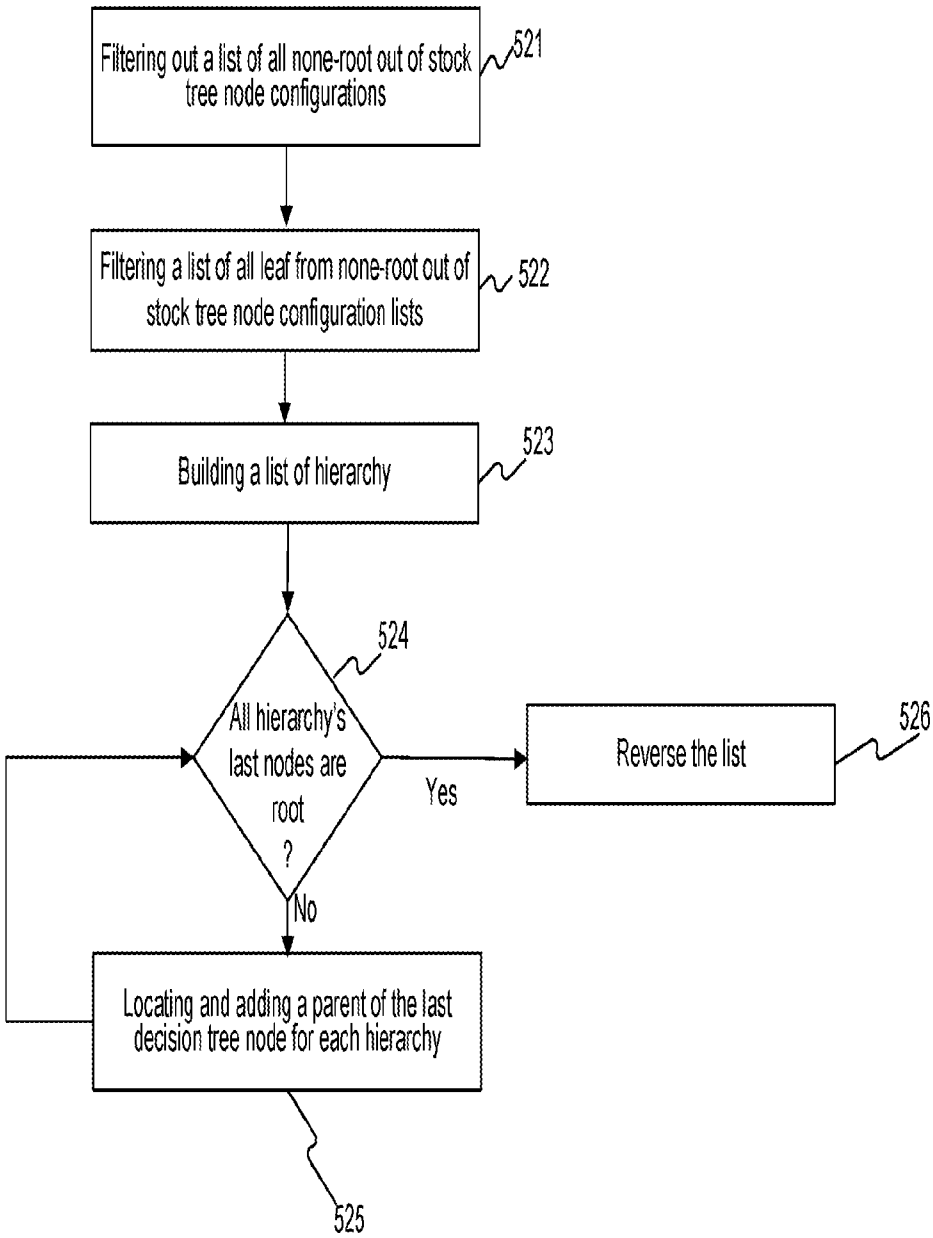

Filtering out a list of all none-root out of stock tree node configurations
521
Filtering a list of all leaf from none-root out of stock tree node configuration lists
522
Building a list of hierarchy
523
524
All hierarchy's last nodes are root ?
Yes
No
Reverse the list
526
Locating and adding a parent of the last decision tree node for each hierarchy
525

FIG. 5C

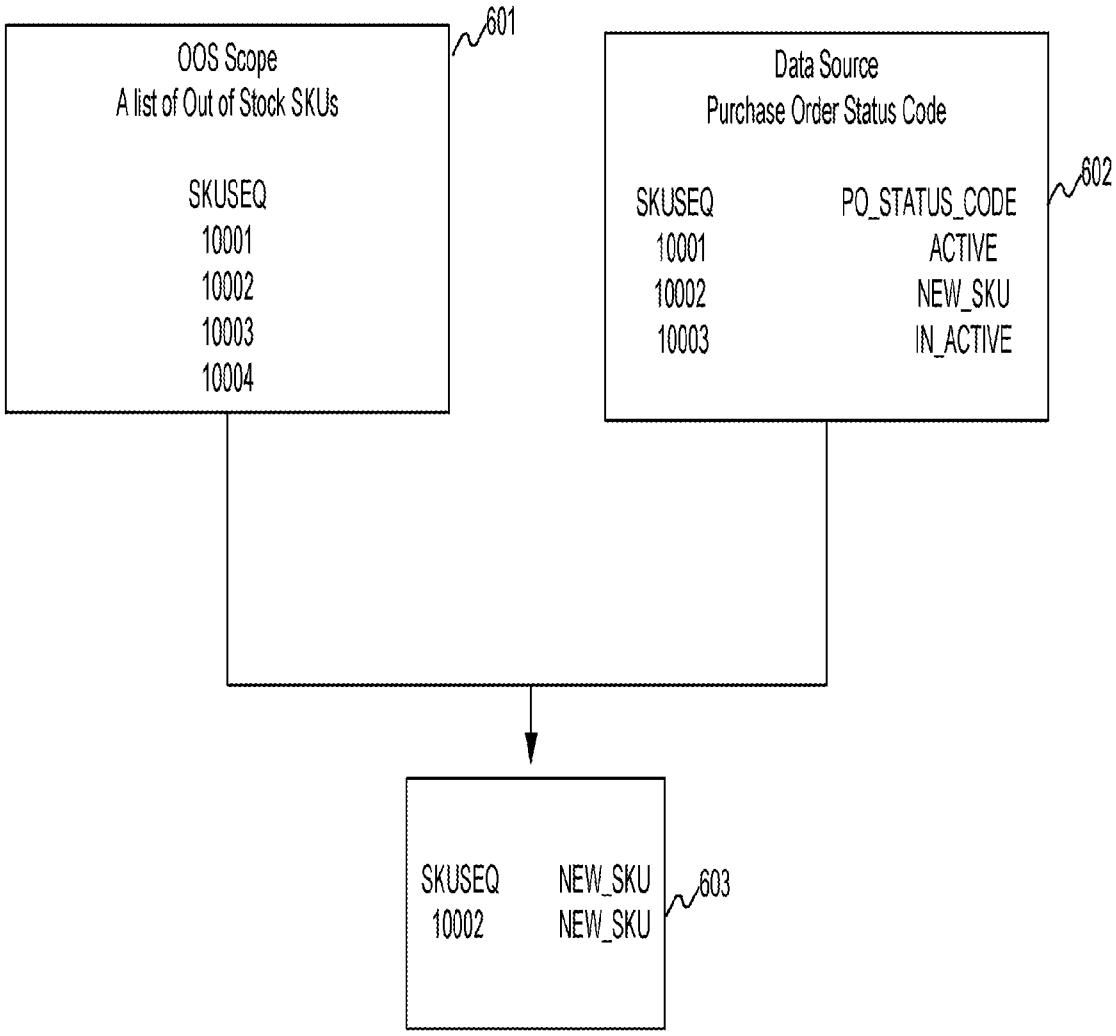

601
OOS Scope
A list of Out of Stock SKUs
SKUSEQ
10001
10002
10003
10004
Data Source
Purchase Order Status Code
602
SKUSEQ
PO_STATUS_CODE
10001
ACTIVE
10002
NEW_SKU
10003
IN_ACTIVE
SKUSEQ
NEW_SKU
603
10002
NEW_SKU

FIG. 6A

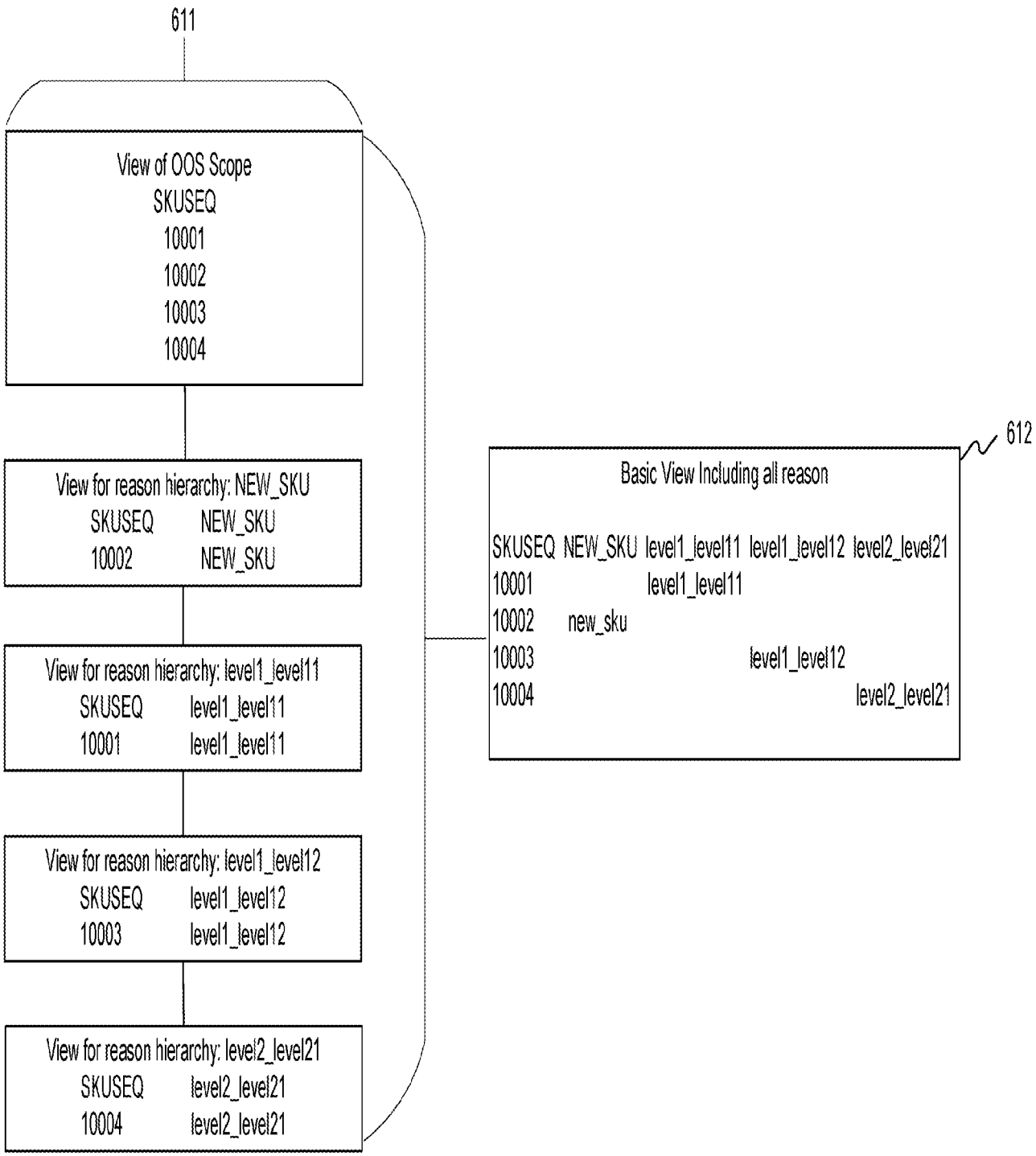

611
View of OOS Scope
SKUSEQ
10001
10002
10003
10004
View for reason hierarchy: NEW_SKU
SKUSEQ NEW_SKU
10002 NEW_SKU
View for reason hierarchy: level1_level11
SKUSEQ level1_level11
10001 level1_level11
View for reason hierarchy: level1_level12
SKUSEQ level1_level12
10003 level1_level12
View for reason hierarchy: level2_level21
SKUSEQ level2_level21
10004 level2_level21
612
Basic View Including all reason
SKUSEQ NEW_SKU level1_level11 level1_level12 level2_level21
10001 level1_level11
10002 new_sku
10003 level1_level12
10004 level2_level21

FIG. 6B

621

Main reason is the first not null reason hierarchy node

SKUSEQ	NEW_SKU	level1_level11	level1_level12	level2_level21
10001		level1_level11		
10002	new_sku			
10003			level1_level12	
10004				level2_level21

622

Main reason:

SKUSEQ	**MAIN**	NEW_SKU	level1_level11	level1_level12	level2_level21
10001	**level1_level11**		level1_level11		
10002	**new_sku**	new_sku			
10003	**level_level12**			level1_level12	
10004	**level2_level21**				level2_level21

623

Resolve level information based on the main reason

SKUSEQ	level_1	level_2	NEW_SKU	level1_level11	level1_level12	level2_level21
10001	level1	level11		level1_level11		
10002	new_sku	new_sku	new_sku			
10003	level1	level2			level1_level12	
10004	level2	level21				level2_level21

FIG. 6C

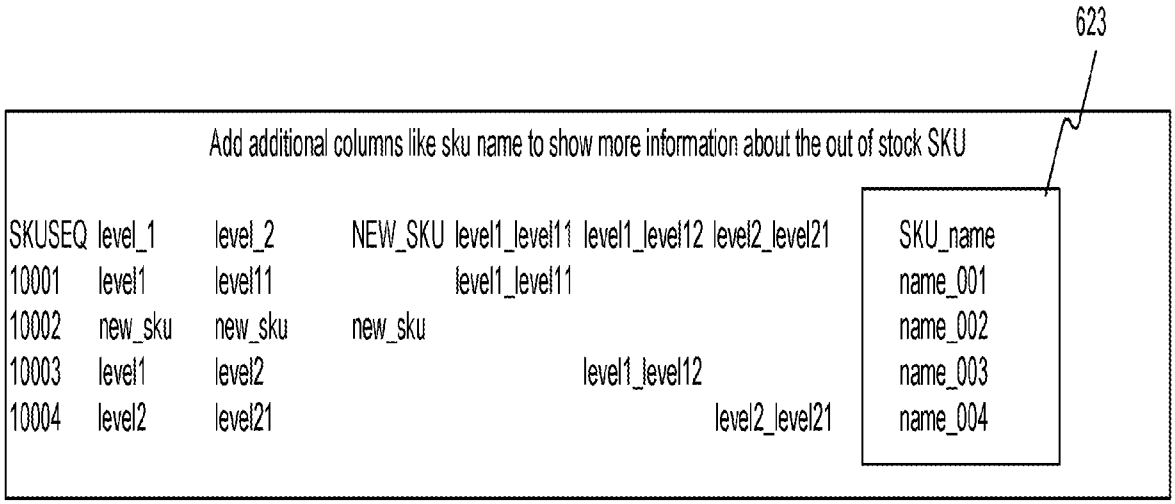

623
Add additional columns like sku name to show more information about the out of stock SKU
SKUSEQ level_1 level_2 NEW_SKU level1_level11 level1_level12 level2_level21 SKU_name
10001 level1 level11 level1_level11 name_001
10002 new_sku new_sku new_sku name_002
10003 level1 level2 level1_level12 name_003
10004 level2 level21 level2_level21 name_004

FIG. 6D

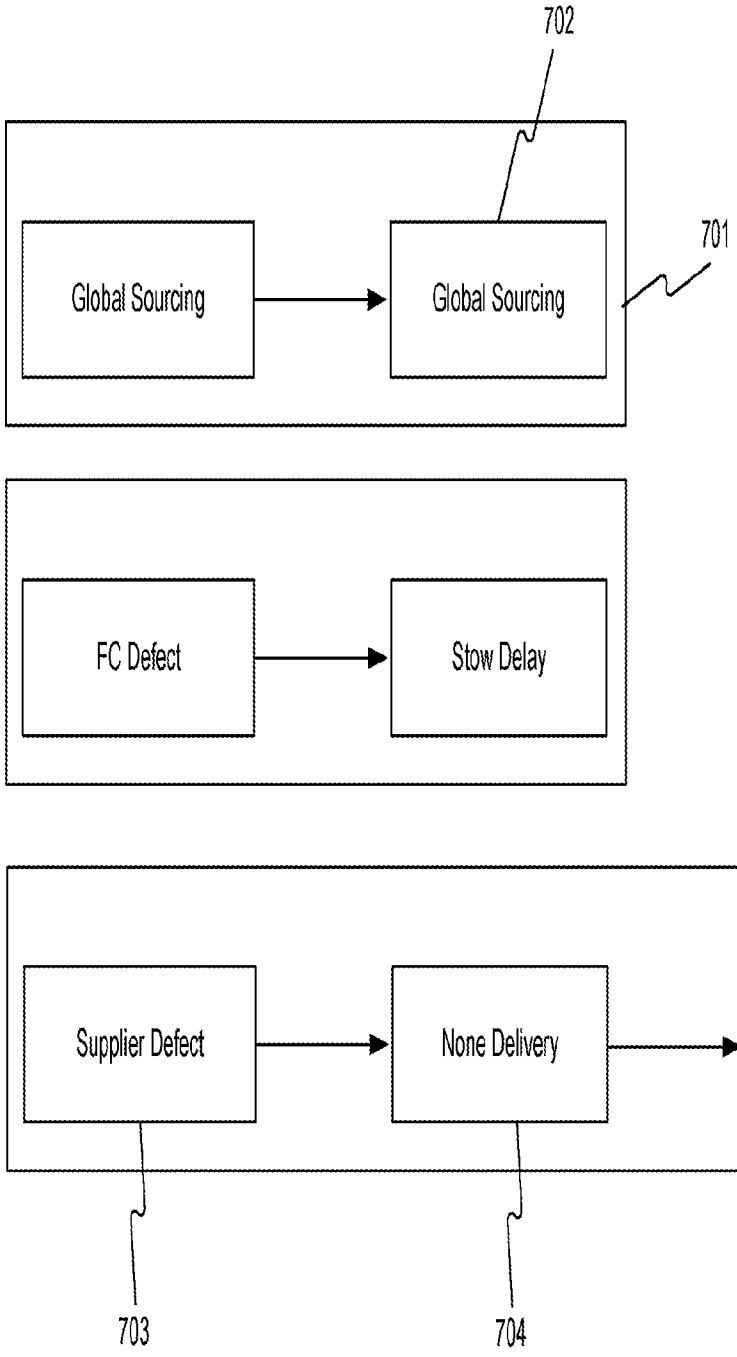

702
Global Sourcing
Global Sourcing
701
FC Defect
Stow Delay
712
Supplier Defect
None Delivery
Zero Confirmed
703
704
705

FIG. 7