FIG. 1A

Example 1A. Buy DPO with Limit Price Same as NBBO Midpoint

(Unit: cents)	Bid	Midpoint	Offer
NBBO	10	12	14
Buy DPO @12	Booked @10		
	Recheck up to 12		

FIG. 1B

Example 1B. Sell DPO with Limit Price Same as NBBO Midpoint

(Unit: cents)	Bid	Midpoint	Offer
NBBO	10	12	14
Sell DPO @12			Booked @14
			Recheck down to 12

FIG. 2

Example 2. DPOs with Limit Less Aggressive than NBBO Midpoint

(Unit: cents)	Bid	Midpoint	Offer
NBBO	10	12	14
Buy DPO @11	Booked @10		
	Recheck up to 11		
Sell DPO @13			Booked @14
			Recheck down to 13

FIG. 2A

Example 2A. After NBO Drops

(Unit: cents)	Bid	Midpoint	Offer
NBBO	10	11←12	12←14
Buy DPO @11	Booked @10		
	Recheck up to 11		
Sell DPO @13			Booked @13
			Recheck to 13

FIG. 2B

Example 2B. After NBO Rises

(Unit: cents)	Bid	Midpoint	Offer
NBBO	10→12	12→13	14
Buy DPO @11	Booked @11		
	Recheck to 11		
Sell DPO @13			Booked @14
			Recheck to 13

FIG. 3

Example 3. DPOs with Limit More Aggressive than NBBO Midpoint

(Unit: cents)	Bid	Midpoint	Offer
NBBO	10	12	14
Buy DPO @13	Booked @10		
	Recheck up to 12		
Sell DPO @11			Booked @14
			Recheck down to 12

FIG. 4

Example 4. (For Comparison) Midpoint Peg Orders (MPOs)

(Unit: cents)	Bid	Midpoint	Offer
NBBO	10	12	14
Buy MPO @13		Booked @12	
A Sell Order comes in @13			Booked @12
			(Executed w/ MPO @12)
Sell MPO @10		Booked @12	
A Buy Order comes in @12	(Executed w/ MPO @12)		

FIG. 5A

Example 5A. No Restriction during Quote Instability

(Unit: cents)	Bid	Midpoint	Offer
Markets 1/2/3	10	12→12.5	14→15
Markets 4/5	10	12	14
Non-DPOs	*Buy orders @12 could be executed by Markets 4/5 @12*		

FIG. 5B

Example 5B. Restriction on DPO Execution during Quote Transition

(Unit: cents)	Bid	Midpoint	Offer
Markets 1/2/3	10	12→12.5	14→15
Markets 4/5	10	12	14
DPOs	*DPOs can only be executed at NBB/NBO during quote transition*		

FIG. 6

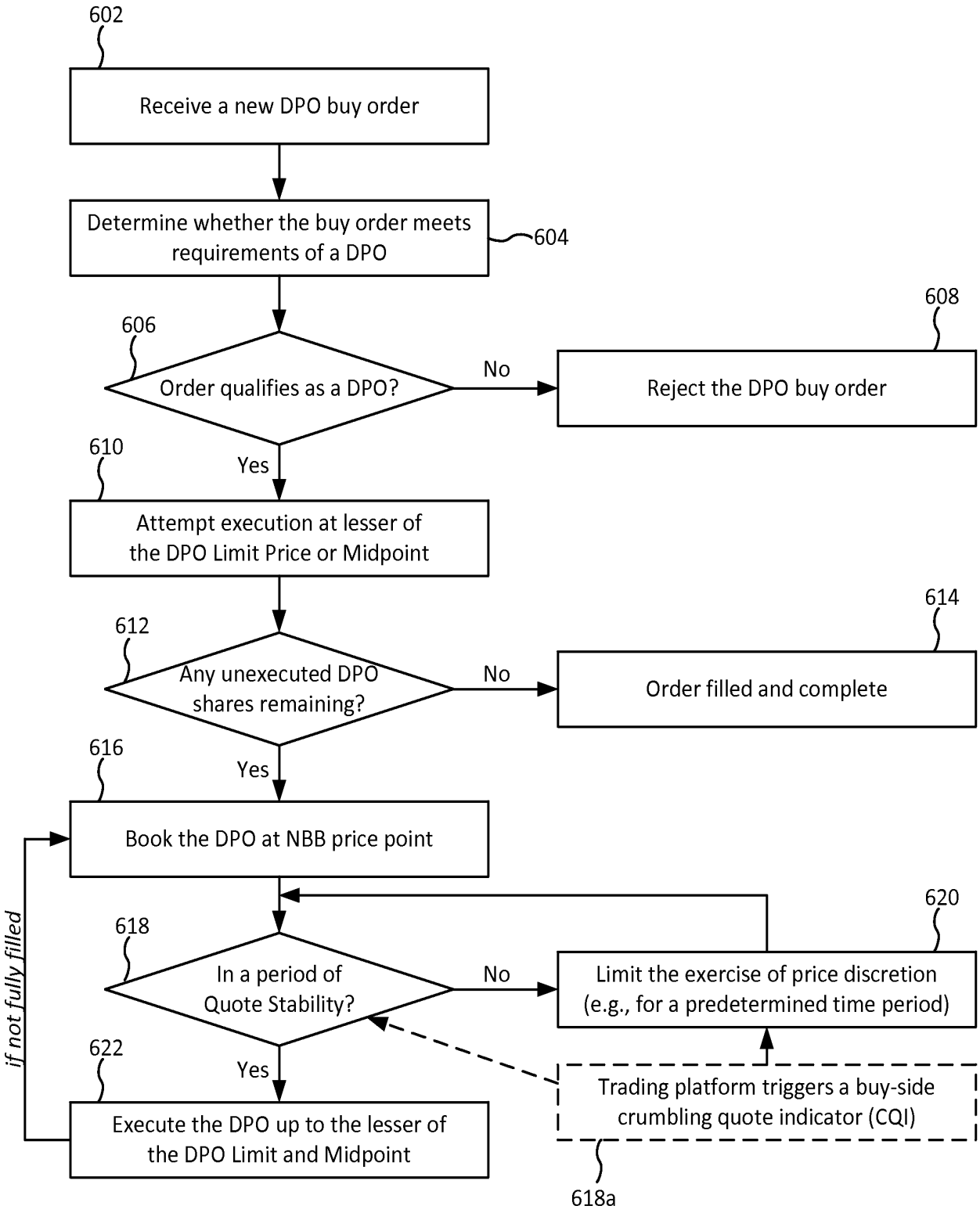

602
Receive a new DPO buy order
Determine whether the buy order meets requirements of a DPO
604
606
Order qualifies as a DPO?
No
608
Reject the DPO buy order
Yes
610
Attempt execution at lesser of the DPO Limit Price or Midpoint
612
Any unexecuted DPO shares remaining?
No
614
Order filled and complete
Yes
616
Book the DPO at NBB price point
618
In a period of Quote Stability?
No
620
Limit the exercise of price discretion (e.g., for a predetermined time period)
Yes
622
Execute the DPO up to the lesser of the DPO Limit and Midpoint
Trading platform triggers a buy-side crumbling quote indicator (CQI)
618a
if not fully filled

FIG. 7

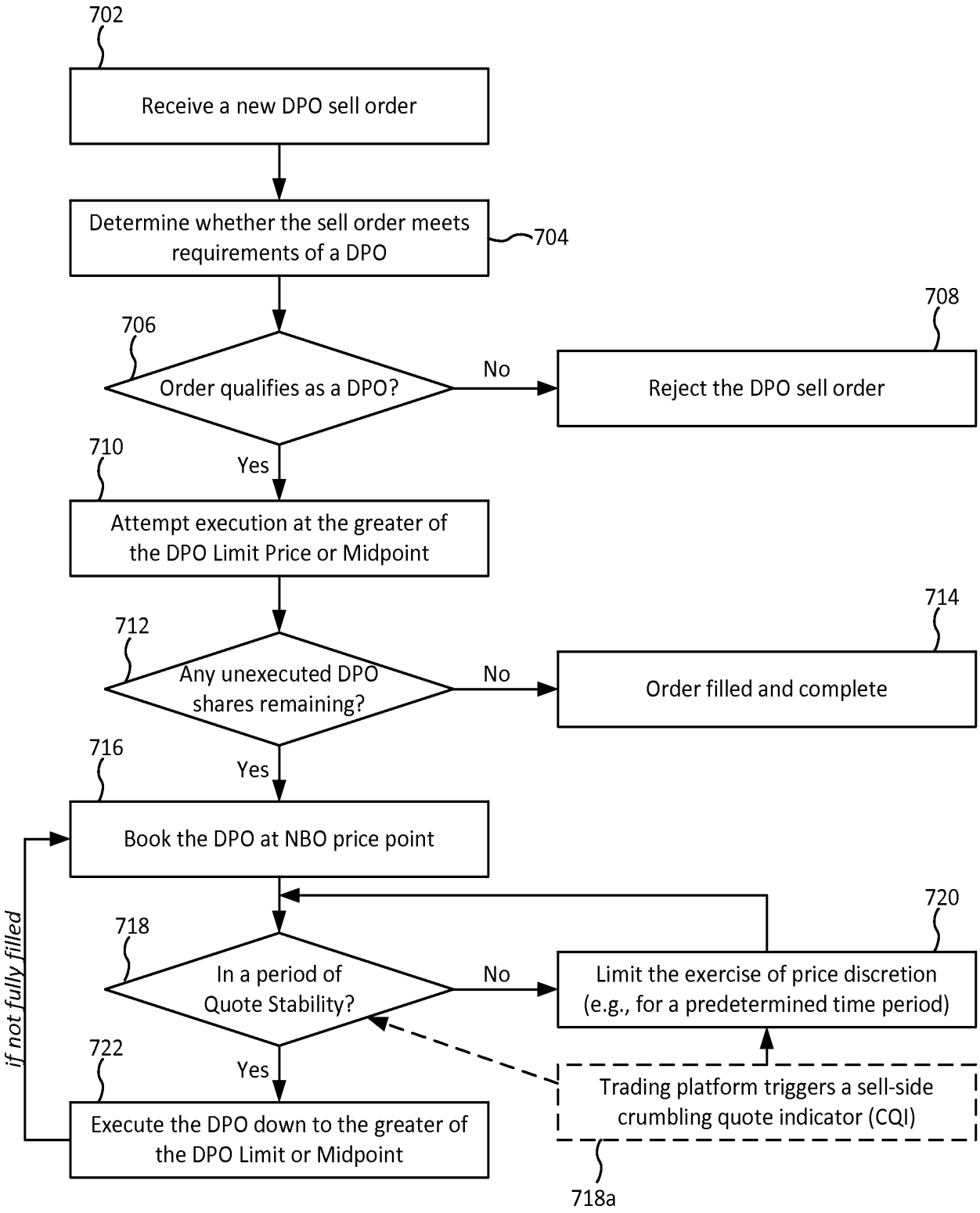
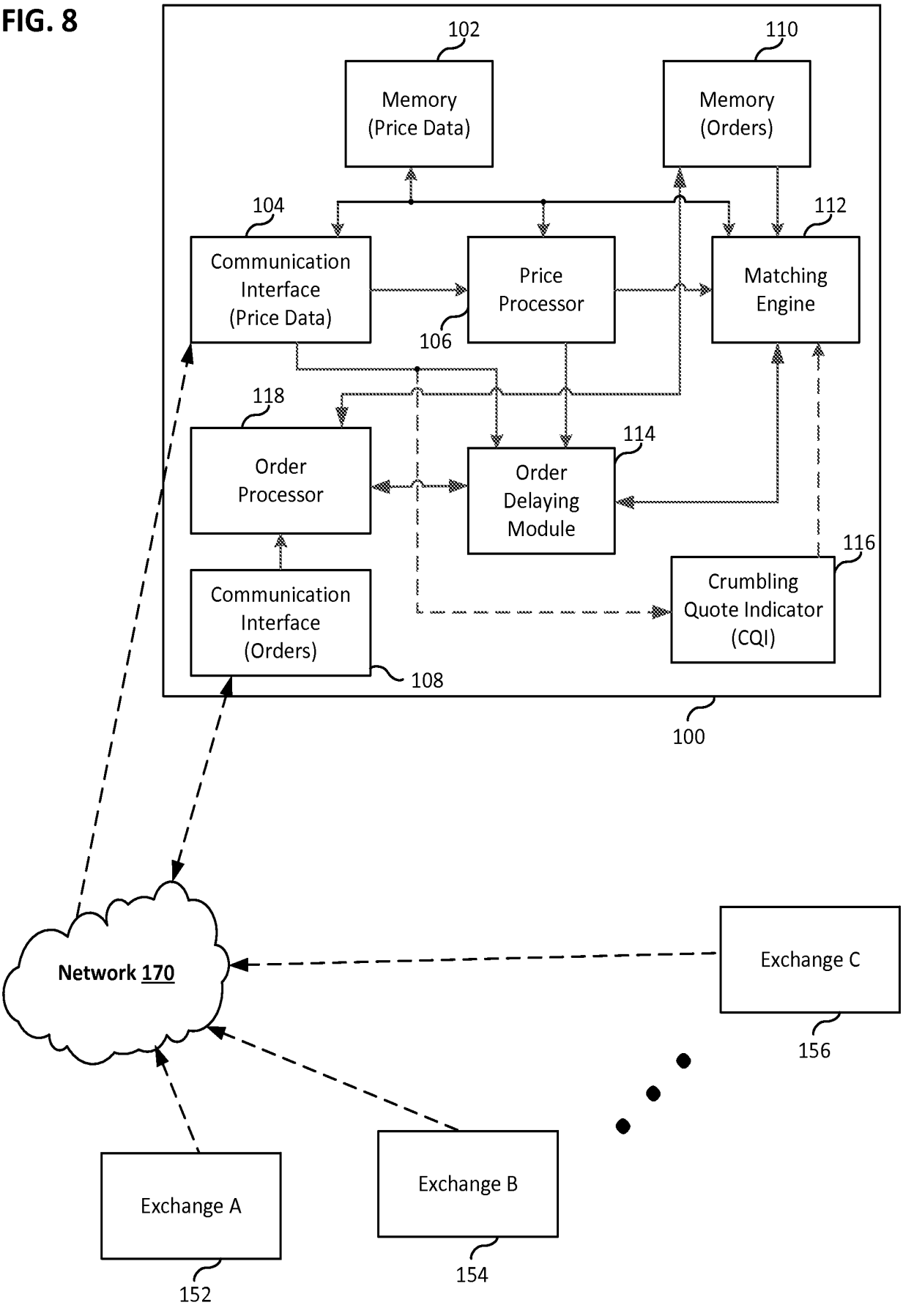

702
Receive a new DPO sell order
Determine whether the sell order meets requirements of a DPO
704
706
Order qualifies as a DPO?
No
708
Reject the DPO sell order
Yes
710
Attempt execution at the greater of the DPO Limit Price or Midpoint
712
Any unexecuted DPO shares remaining?
No
714
Order filled and complete
Yes
716
Book the DPO at NBO price point
718
In a period of Quote Stability?
No
720
Limit the exercise of price discretion (e.g., for a predetermined time period)
Yes
722
Execute the DPO down to the greater of the DPO Limit or Midpoint
if not fully filled
Trading platform triggers a sell-side crumbling quote indicator (CQI)
718a

FIG. 8


102
Memory
(Price Data)
110
Memory
(Orders)
104
Communication
Interface
(Price Data)
106
Price
Processor
112
Matching
Engine
118
Order
Processor
114
Order
Delaying
Module
116
Crumbling
Quote Indicator
(CQI)
Communication
Interface
(Orders)
108
100
Network 170
Exchange C
156
Exchange A
152
Exchange B
154