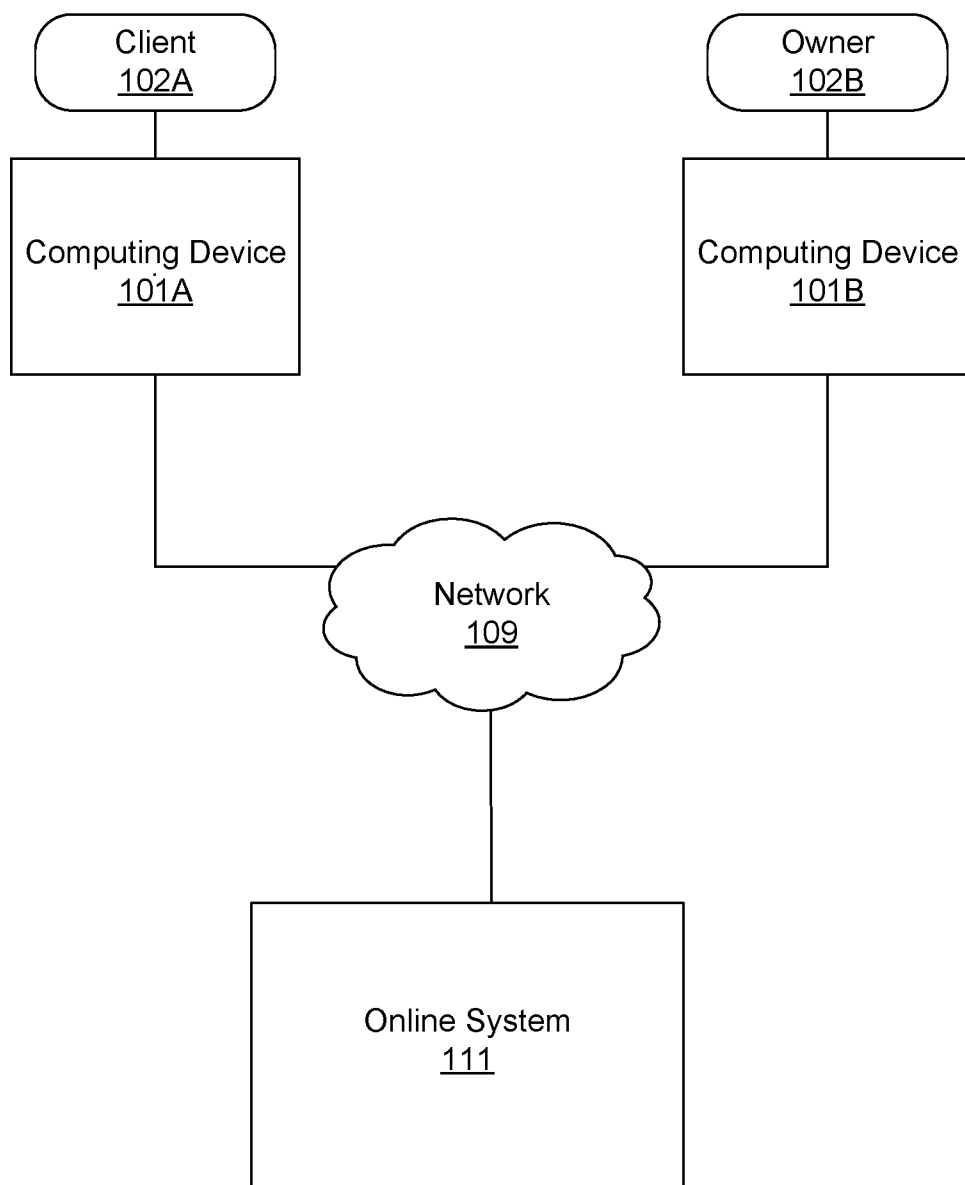


**FIG. 1**

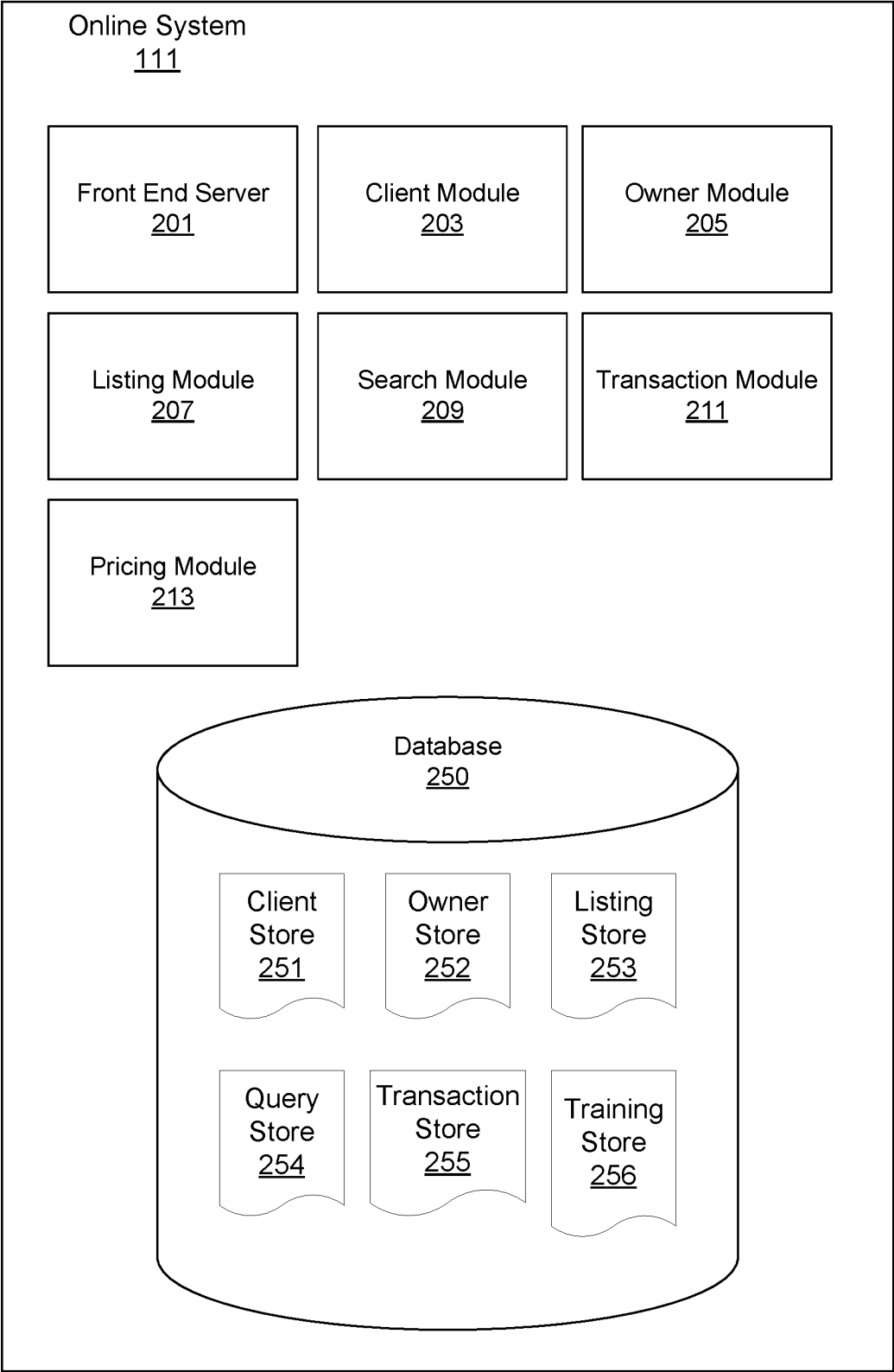


FIG. 2

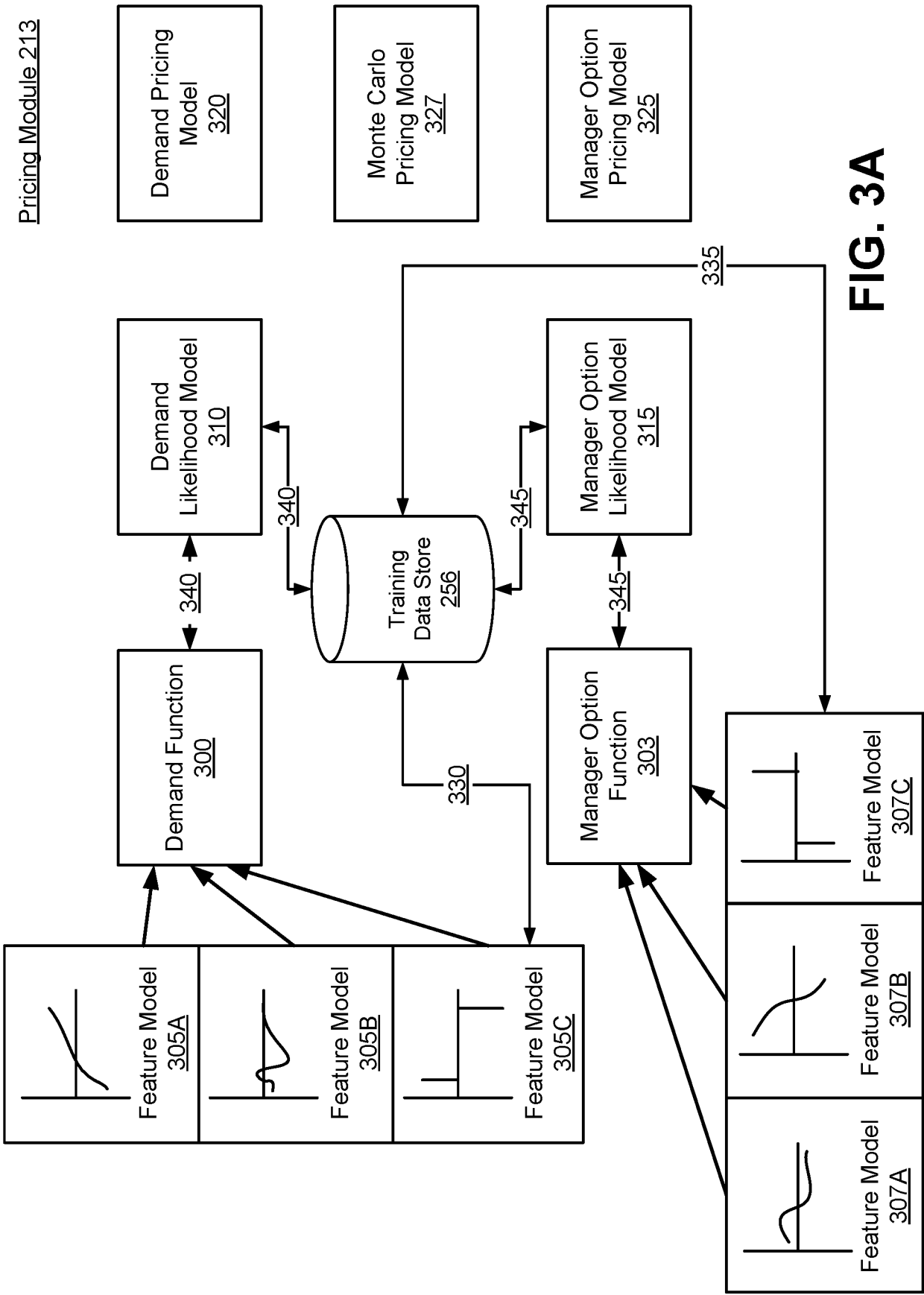
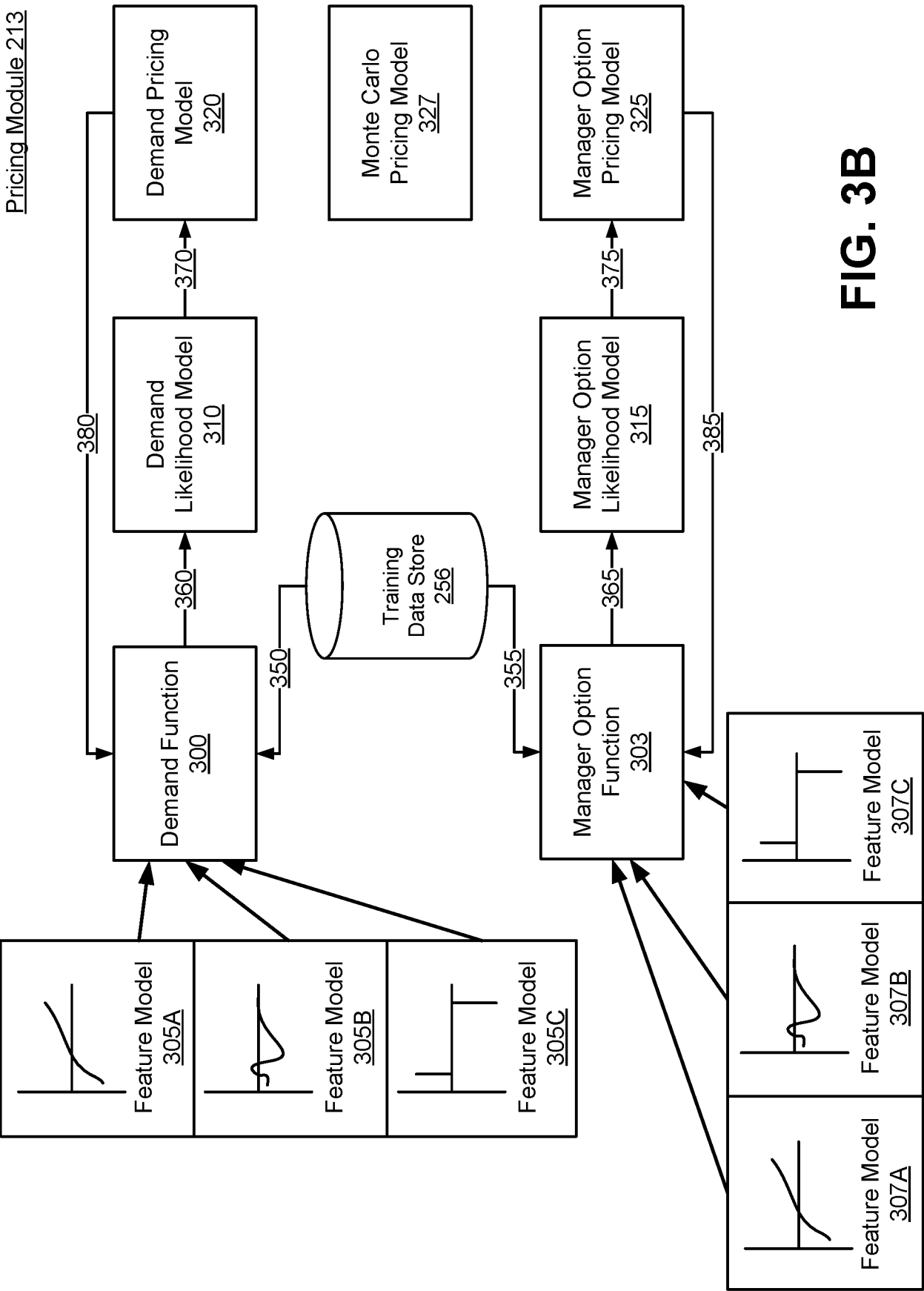


FIG. 3A



Pricing Module 213

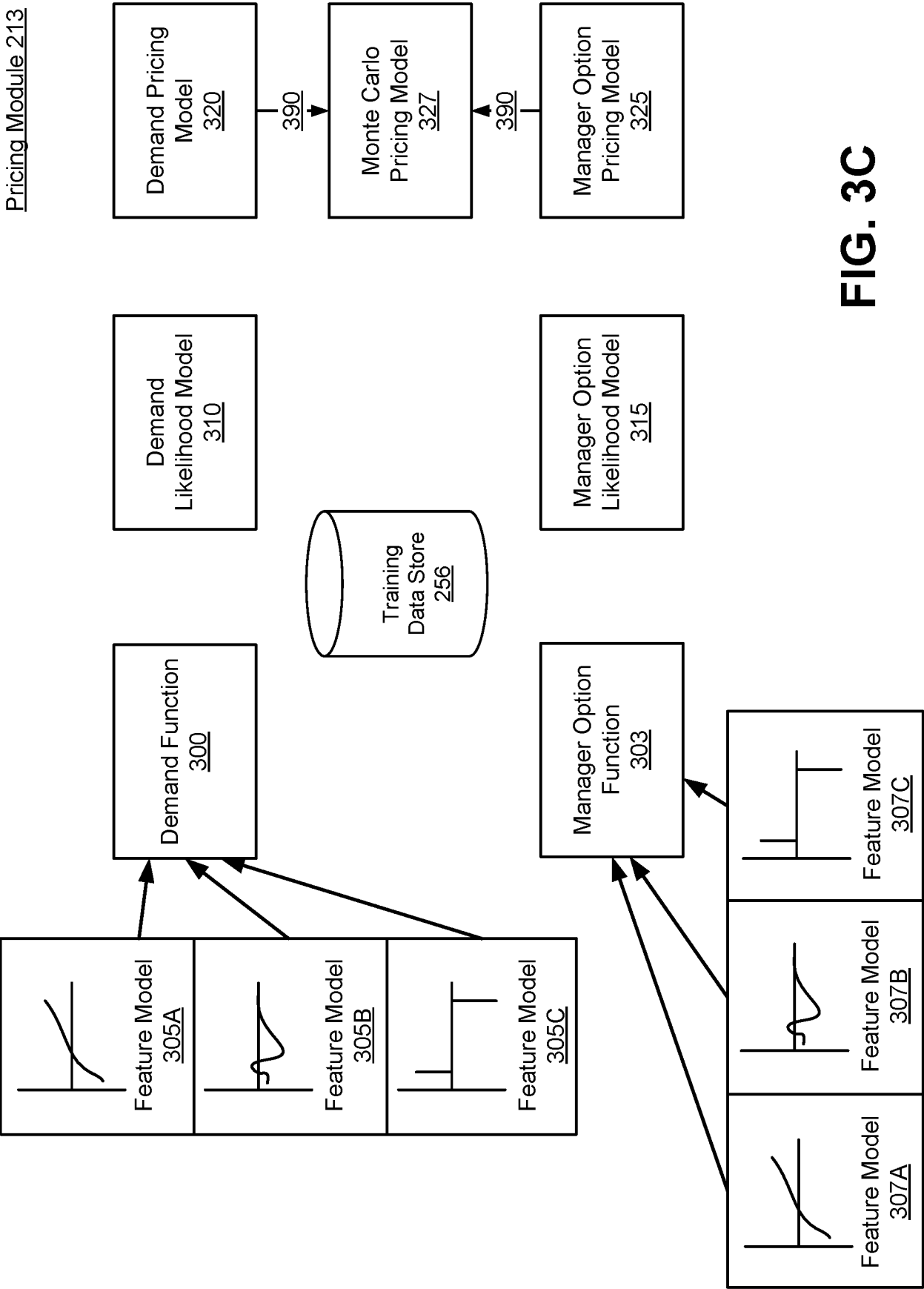


FIG. 3C

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	1	2	3	4	5
		410		430	→
6	7	9	10	11	12
		430			→
13	14	15	17	18	19
	430	420			
20	21	22	23	24	25
				400	26
27	28	29	30	31	

October

FIG. 4A

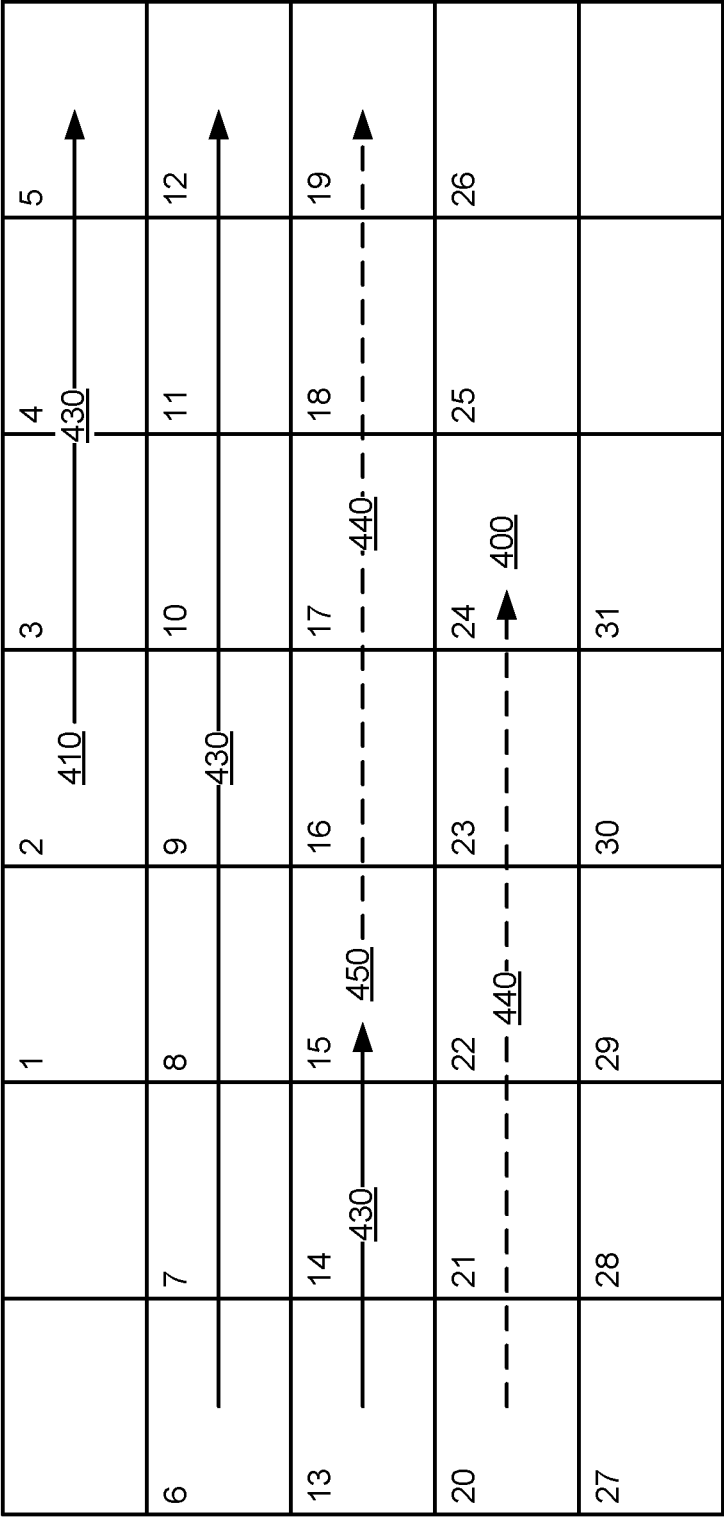
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		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

October

FIG. 4B

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October

FIG. 4C

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		1	2	3	4	5
			410		430	470A
6	7	8	9	10	11	12
			430			
13	14	15	16	17	18	19
	430	470C 420		460	470D 440	
20	21	22	23	24	25	26
		440		400		
27	28	29	30	31		

October

FIG. 4D

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Training Store 256

	Label	Feature 1	Feature 2	Feature 3	...	Feature m
Training Sample 1	1	14	100	Detroit		1
Training Sample 2	1	7	75	LA		0
Training Sample 3	-1	5	220	SF		0
Training Sample 4	1	24	140	New York		1
Training Sample 5	-1	3	300	Seattle		0
...						
Training Sample N	-1	18	75	Portland		1

500

	Label	Days Until Expiration	Price	City	WiFi
<u>470A</u>	1	20	120	SF	1
<u>470B</u>	1	13	100	SF	1
<u>470C</u>	1	9	100	SF	1
<u>470D</u>	-1	6	90	SF	1

510**FIG. 5A**

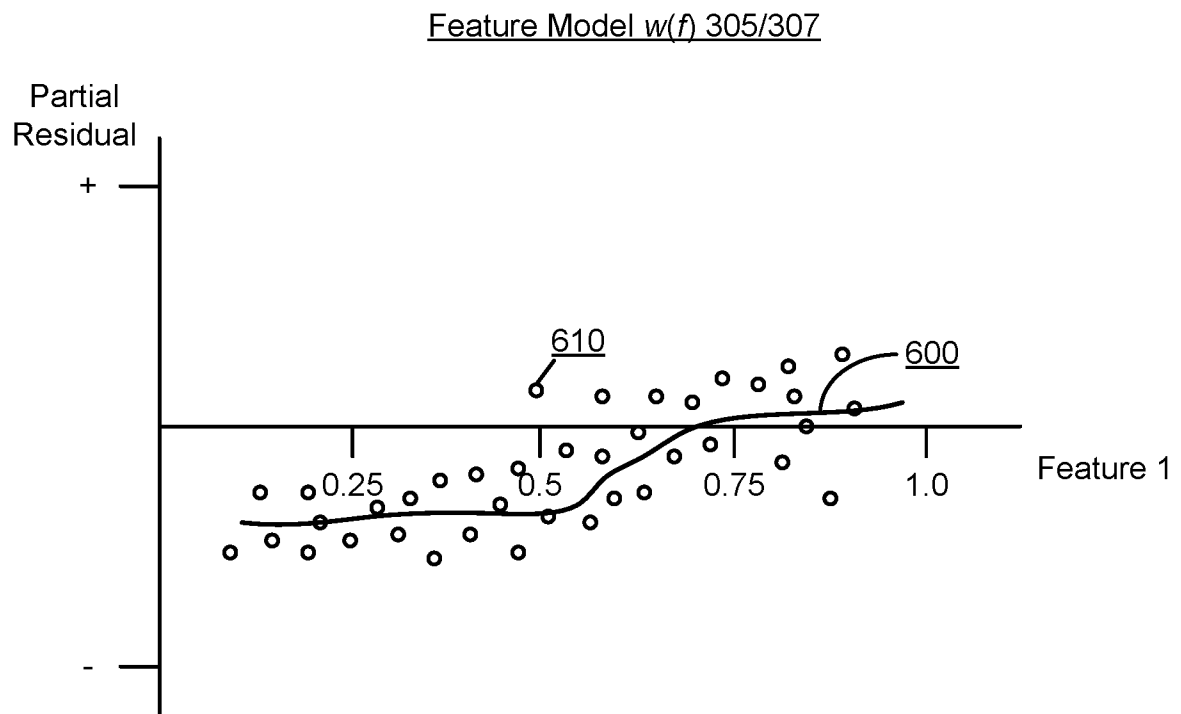
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Training Store 256

Label	Booked Night	Price	City	Host Rating
1	5/4/16	120	SF	3.9
1	5/5/16	100	SF	3.8
1	5/6/16	110	SF	4
1	5/7/16	90	SF	4.3
-1	N/A	51	SF	4
-1	N/A	84	SF	4
-1	N/A	45	SF	4
-1	N/A	71	SF	4

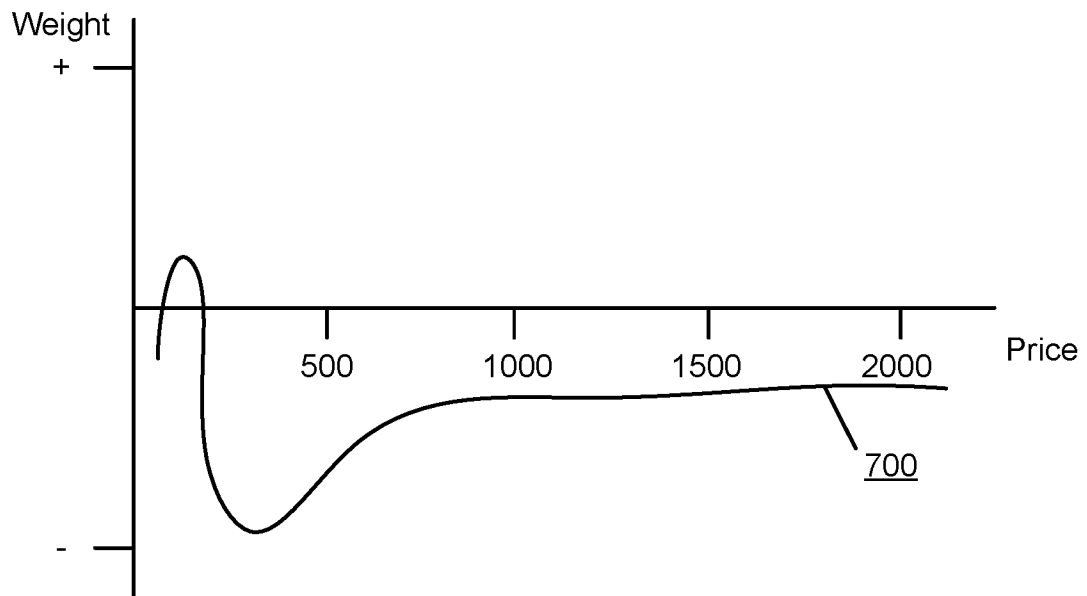
520**FIG. 5B**

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**FIG. 6**

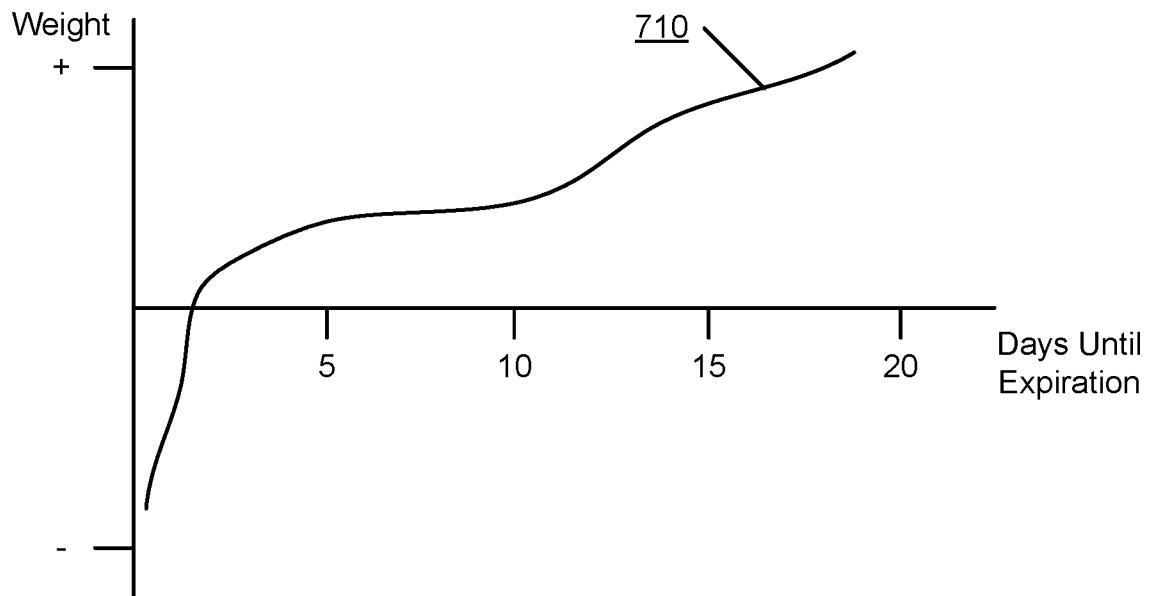
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Price Example Feature Model For
Demand Function 305

**FIG. 7A**

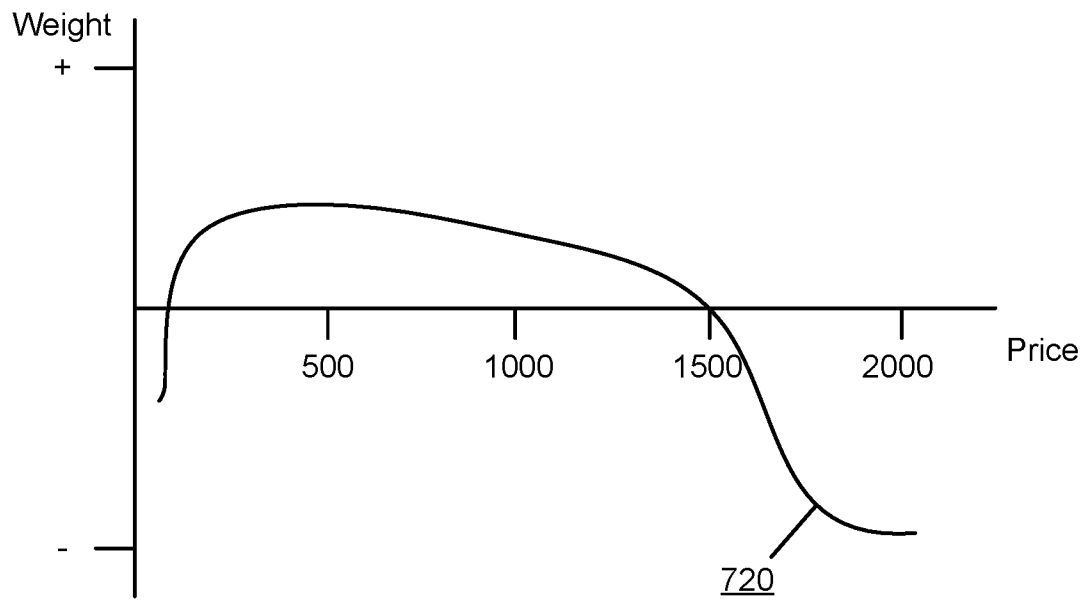
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Days Until Expiration Example Feature
Model For Demand Function 305

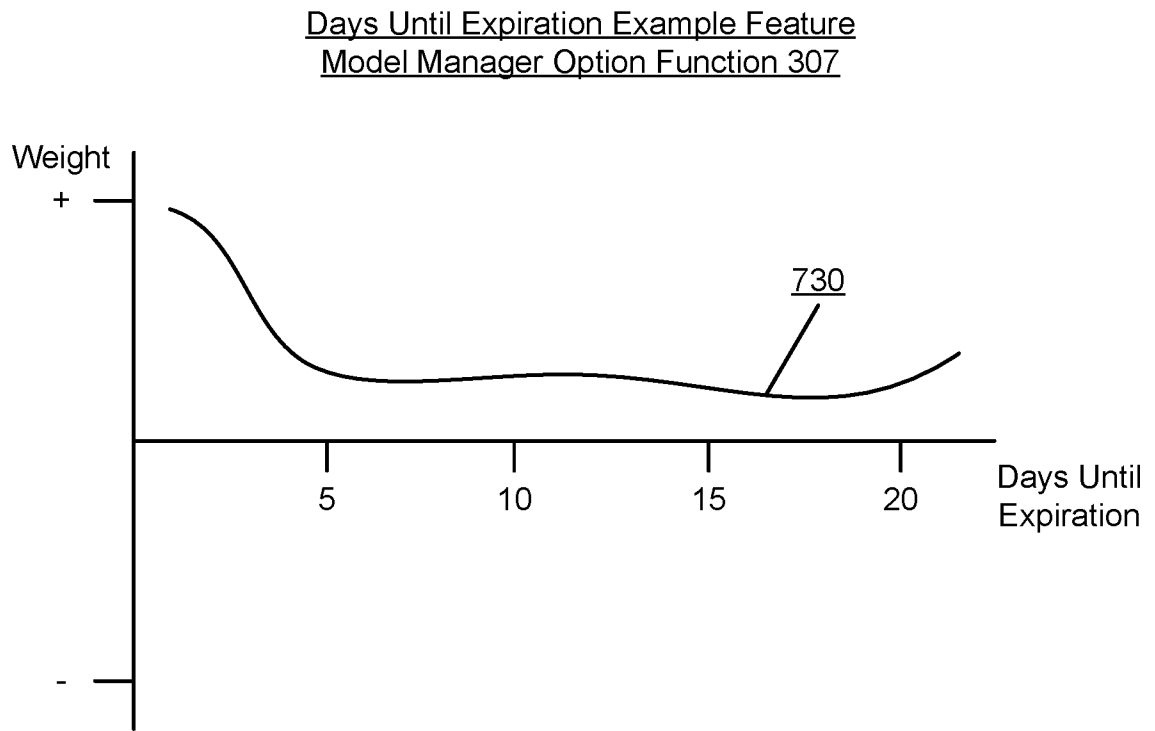
**FIG. 7B**

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Price Example Feature Model For
Manager Option Function 307

**FIG. 7C**

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**FIG. 7D**

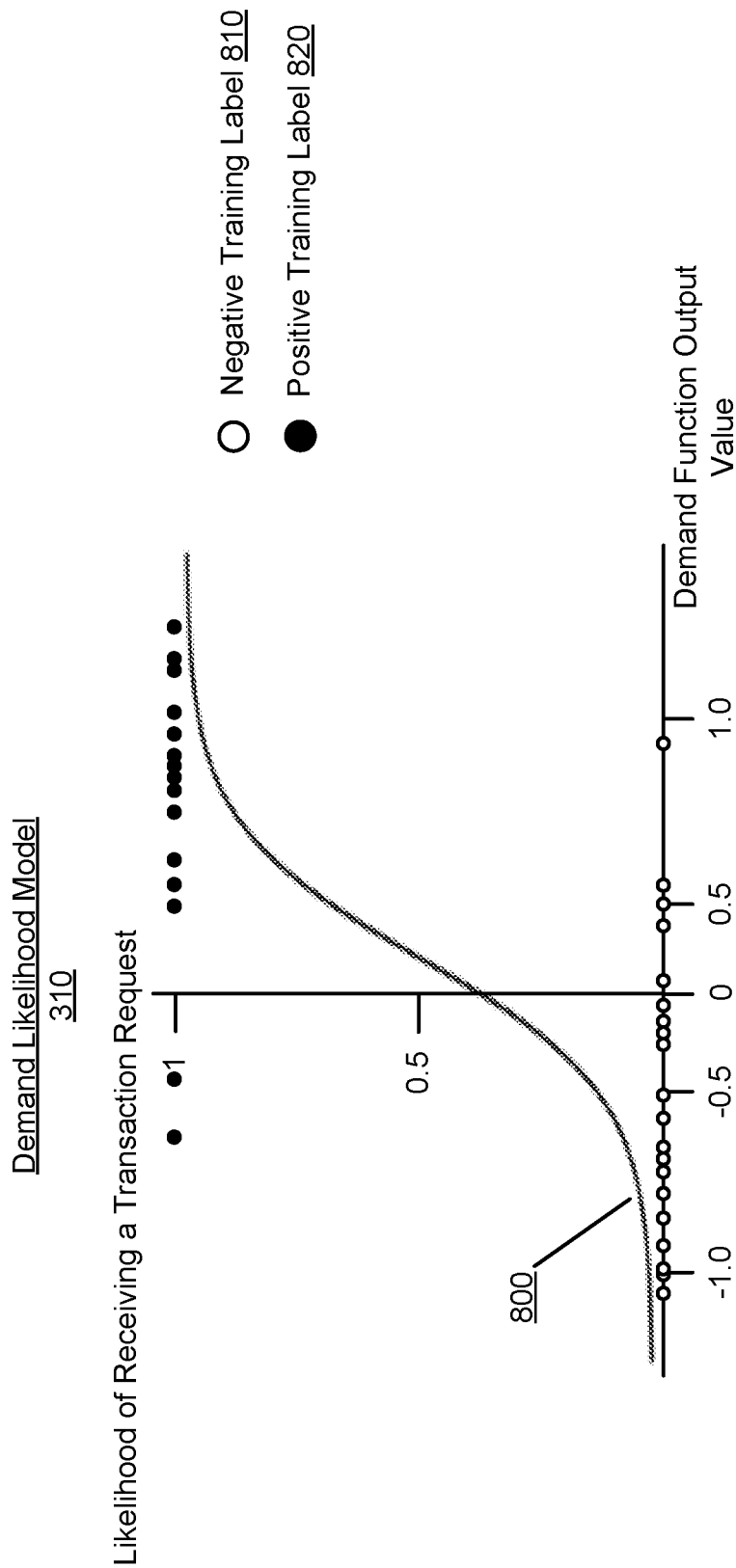


FIG. 8A

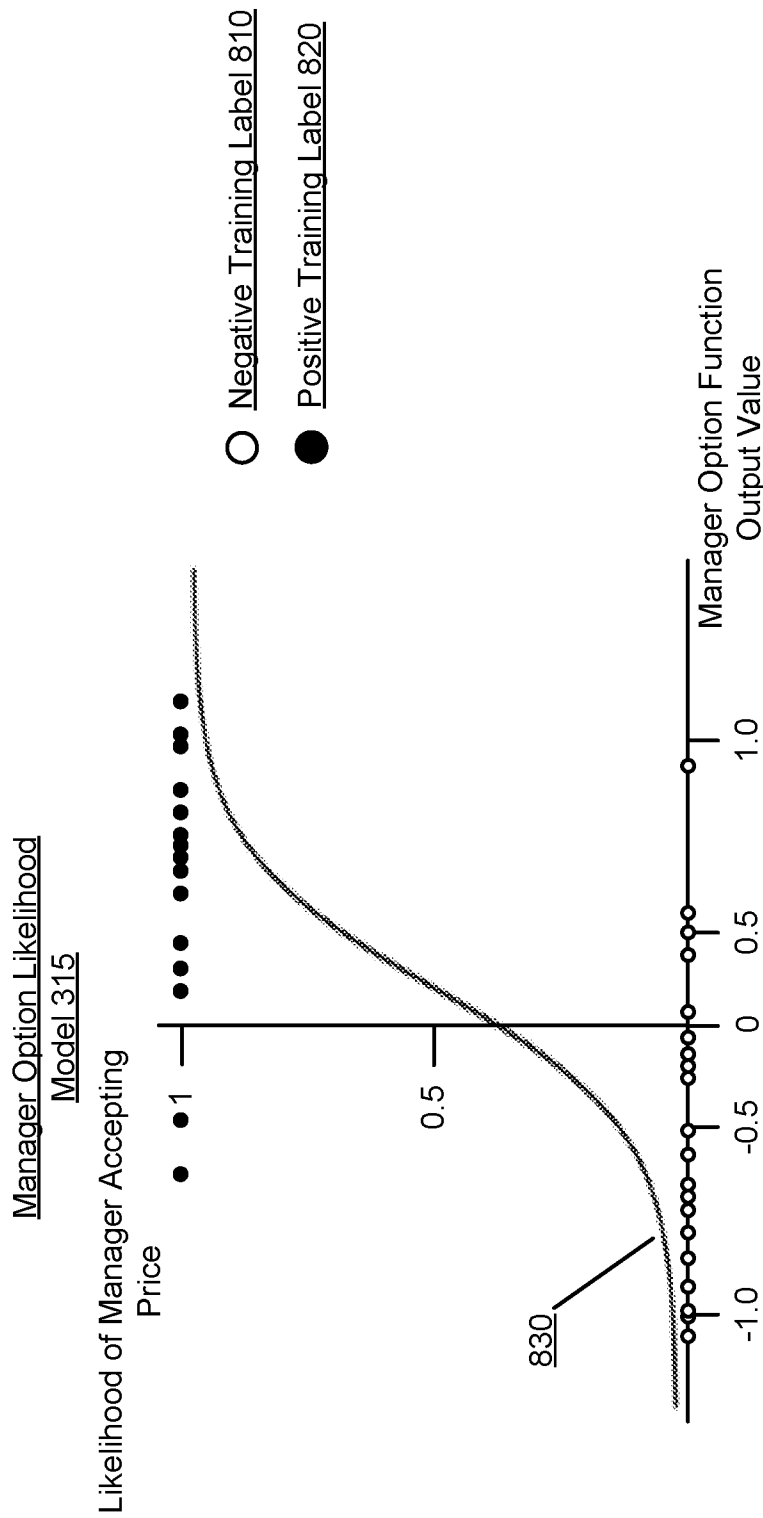


FIG. 8B

Demand Model 320

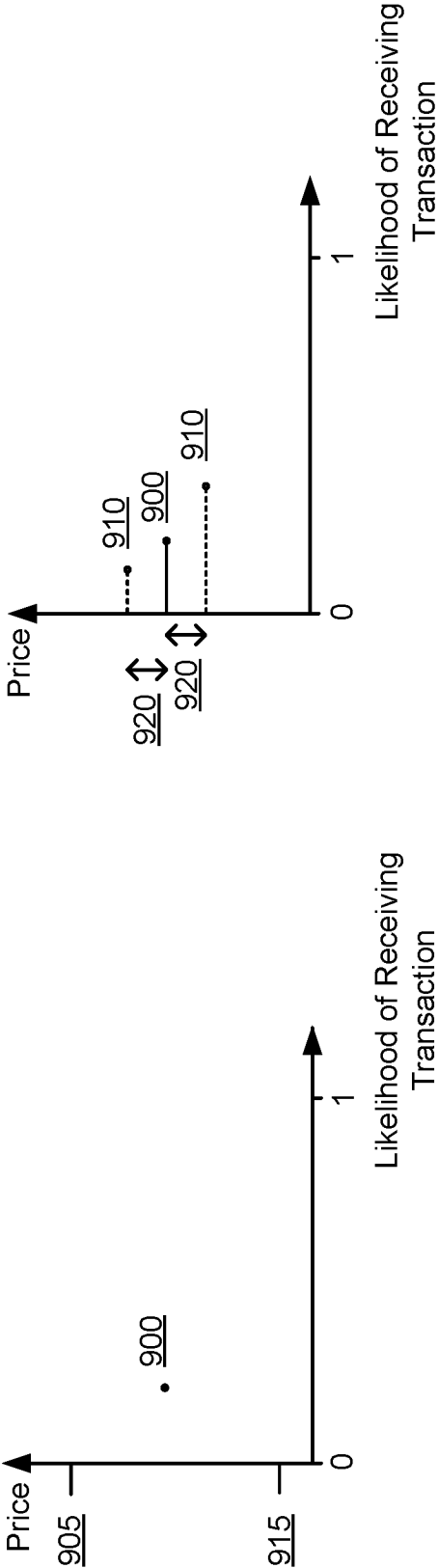


FIG. 9B

FIG. 9A

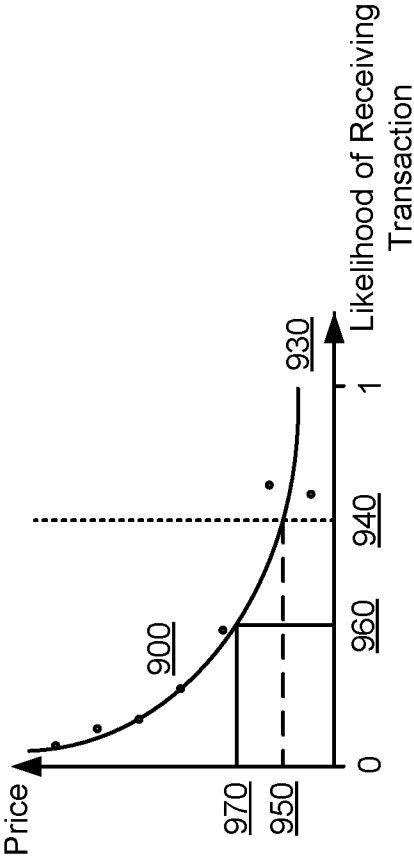


FIG. 9C

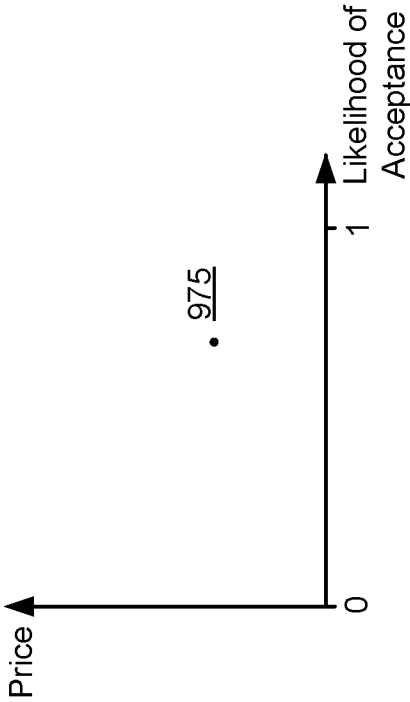


FIG. 9D

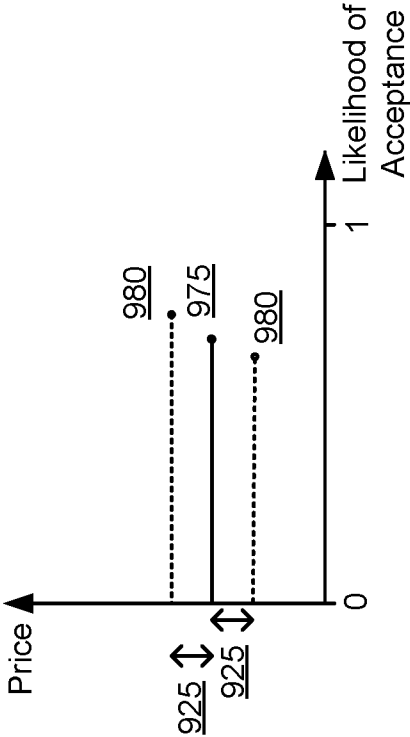


FIG. 9E

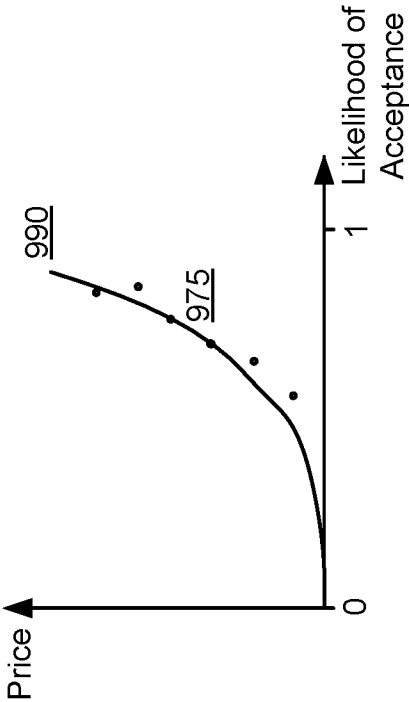


FIG. 9F

Monte Carlo Pricing Model 327

Demand Model 320

Manager Option Model 325

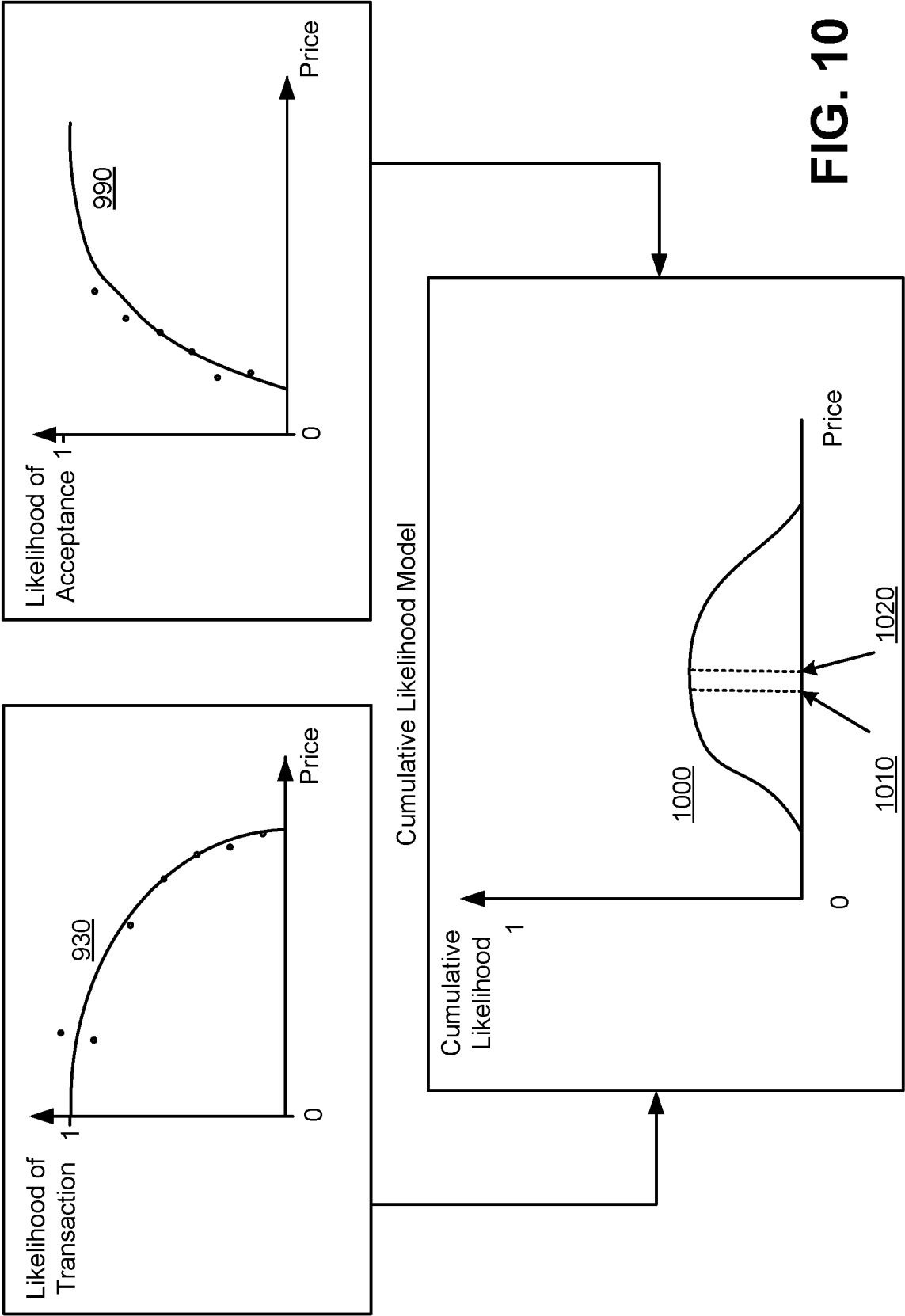


FIG. 10

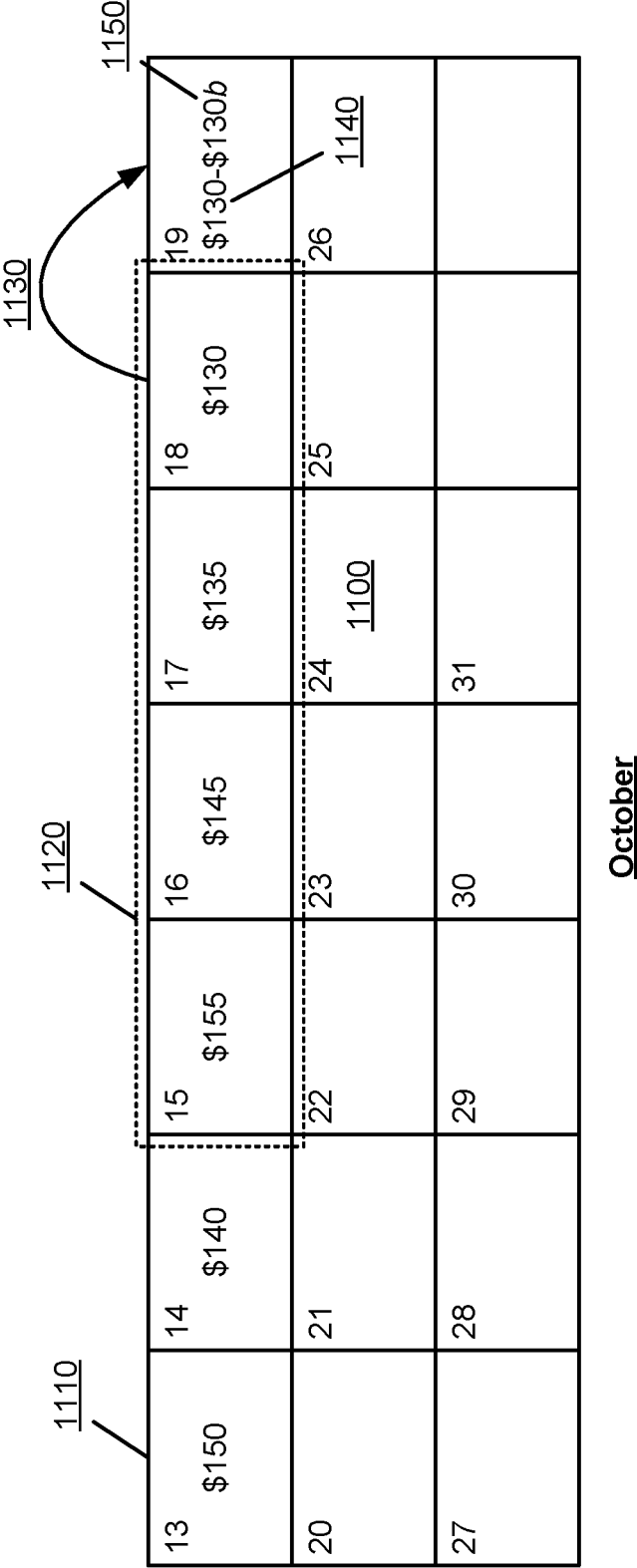


FIG. 11