Fig. 1

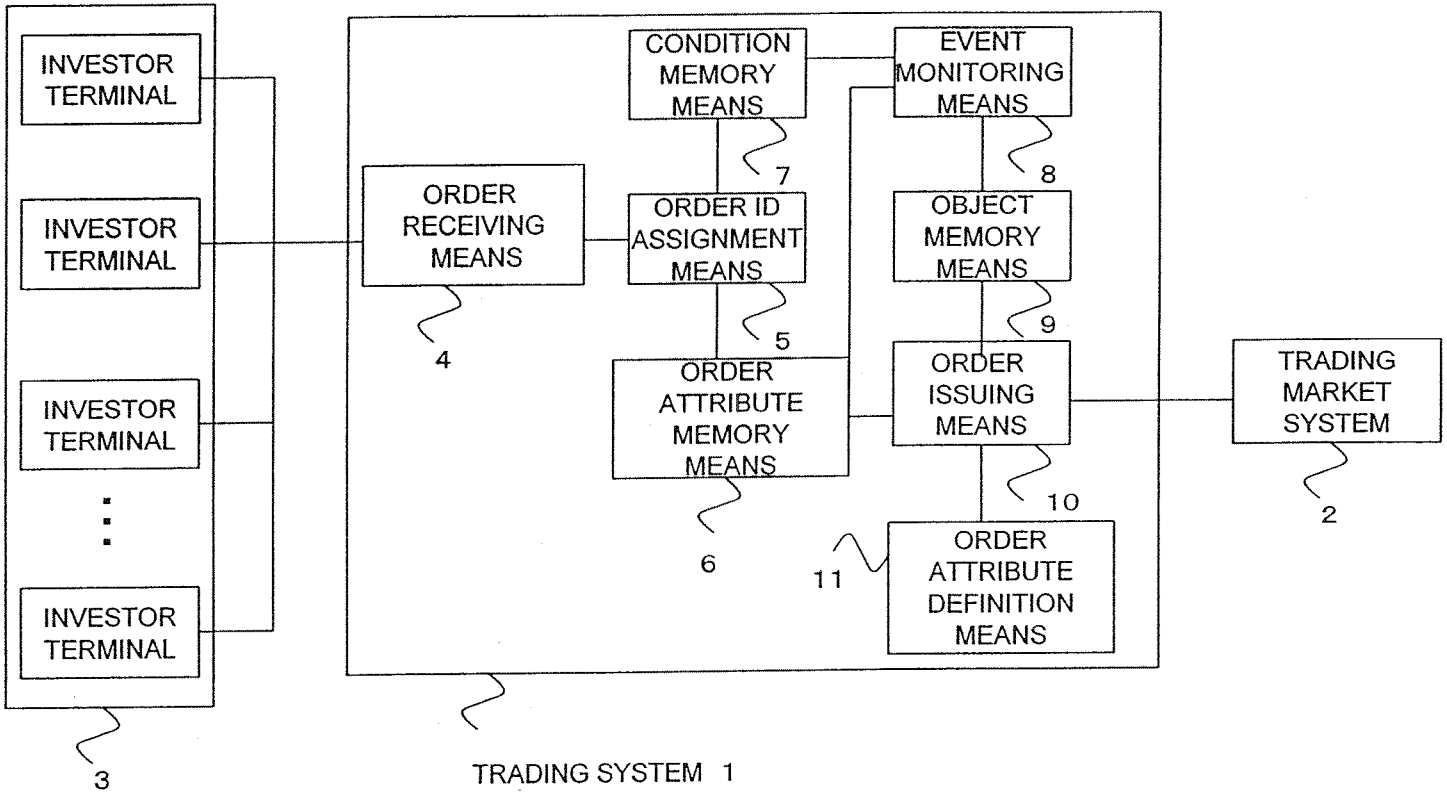

INVESTOR TERMINAL
INVESTOR TERMINAL
INVESTOR TERMINAL
INVESTOR TERMINAL
3
ORDER RECEIVING MEANS
4
CONDITION MEMORY MEANS
7
ORDER ID ASSIGNMENT MEANS
5
ORDER ATTRIBUTE MEMORY MEANS
6
EVENT MONITORING MEANS
8
OBJECT MEMORY MEANS
9
ORDER ISSUING MEANS
10
ORDER ATTRIBUTE DEFINITION MEANS
11
TRADING SYSTEM 1
TRADING MARKET SYSTEM
2

Fig. 2

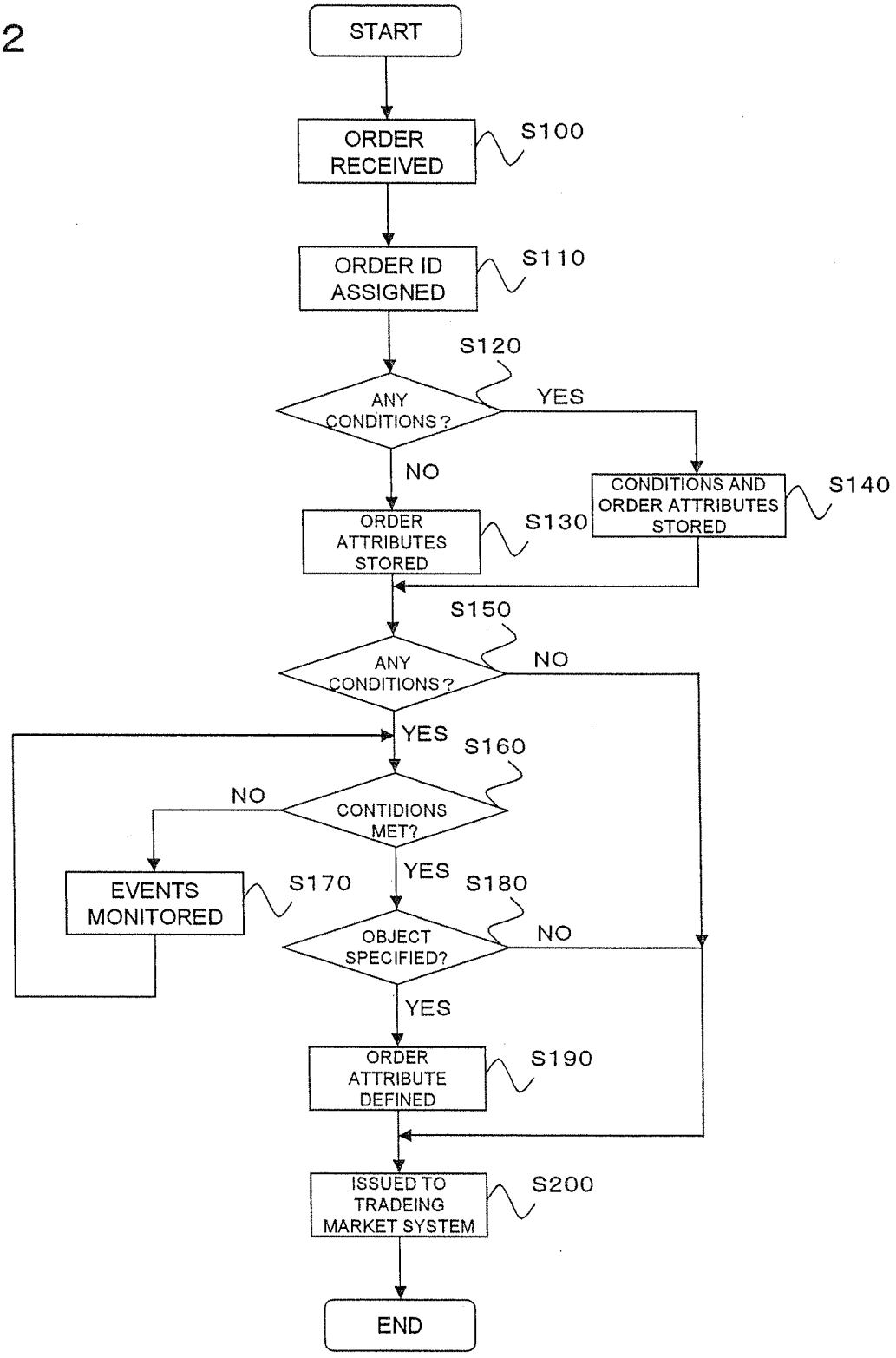

START
ORDER RECEIVED
S100
ORDER ID ASSIGNED
S110
S120
ANY CONDITIONS?
YES
NO
CONDITIONS AND ORDER ATTRIBUTES STORED
S140
ORDER ATTRIBUTES STORED
S130
S150
ANY CONDITIONS?
NO
YES
S160
NO
CONTIDIONS MET?
YES
EVENTS MONITORED
S170
S180
OBJECT SPECIFIED?
NO
YES
ORDER ATTRIBUTE DEFINED
S190
ISSUED TO TRADEING MARKET SYSTEM
S200
END

FIG. 3

Order ID	Order type	Order conditions	New order	Subsidiary order	Order attributes					
					Brand	Quantity	Price	Sell/buy	Number ordered	Number executed
1	conditional	NO	none	2, 3						
2	simple	NO	1	none	A	1,000	4,500	buy	0	0
3	OCO	Condition ID: 100	1	4, 5						
4	current price	Condition ID: 101	3	none	A	1,000	Object ID: 10	sell	0	0
5	current price	Condition ID: 103	3	none	A	1,000	met	sell	0	0
6	timed	Condition ID: 105	none	7, 8						
7	simple	none	none	none	B	30,000	Object ID: 13	buy	0	0
8	simple	Condition ID: 106	none	none	C	10	1,200,000	sell	0	0
9	current price	none	none	none	D	5,000	Object ID: 11	buy	0	0

FIG. 4

Condition ID	Order ID	Event type	Condition format	Process statue	Monitoring status
100	2	EXEC	EXEC(&price, &shares)	pending	OFF
101	4	PRICE	UP (current price (A), 4600)	pending	OFF
102	4	EXEC	EXEC(&price, &shares)	pending	OFF
103	5	PRICE	DOWN (current price (A), 4450)	pending	OFF
104	5	EXEC	EXEC(&price, &shares)	pending	OFF
105	6	TIME	EQUAL (time, '9:00')	pending	ON
106	7	PRICE	UP (current price (A), 4600)	pending	OFF

FIG. 5

Object ID	Process format
10	Optimal Second Order Interpolation (X, 'current value,' O, -Y)
11	(OPEN(D)+CURRENT(D))/2

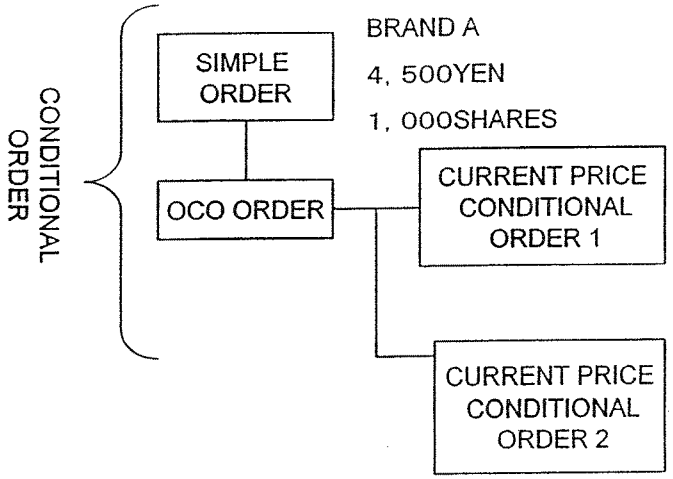
FIG. 6

Condition ID	Order ID	Event type	Condition format	Process statue	Monitoring status
100	2	EXEC	EXEC(&price, &shares)	pending	ON
101	4	PRICE	UP (current price (A), 4600)	pending	OFF
102	4	EXEC	EXEC(&price, &shares)	pending	OFF
103	5	PRICE	DOWN (current price (A), 4450)	pending	OFF
104	5	EXEC	EXEC(&price, &shares)	pending	OFF
105	6	TIME	EQUAL (time, '9:00')	pending	ON
106	7	PRICE	UP (current price (A), 4600)	pending	OFF

Fig. 7

```
<CONDITIONAL ORDER>
 <SIMPLE ORDER>
  <BRAND>A</BRAND>
  <PRICE>4500円</PRICE>
  <QUANTITY>1000</QUANTITY>
  <SELL/BUY CATEGORY>BUY< SELL/BUY CATEGORY >
 </SIMPLE ORDER >
 <ONE-CANCELS OTHER ORDER >
  <CURRENT PRICE CONDITION ORDER>
   <CONDITION>
    CURRENT PRICE IS 4600 YEN OR MORE
   </CONDITION>
   <ACTION>
    ISSUE AND SEND ORDER TO SELL 1000 SHARES OF BRAND A,
    WHERE ORDER PRICE IS
      <PROCESS OBJECT>
        <NAME>2ND ORDER INTERPOLATION-BASED PRICE
          PREDICTION</NAME>
        <PARAM>A</PARAM>
        <PARAM>15SEC</PARAM>
      < /PROCESS OBJECT >
  </ACTION>
  </CURRENT PRICE CONDITION ORDER>
  < CURRENT PRICE CONDITION ORDER >
   < CONDITION >
    CURRENT PRICES FALLS BELOW 4450 YEN
   </CONDITION>
   <ACTION>
    ISSUE AND SEND ORDER TO SELL 1000 SHARES OF BRAND A
    WHEN ORDER PRICE MET
   </ACTION>
  </ CURRENT PRICE CONDITION ORDER >
 </ ONE-CANCELS OTHER ORDER >
</ CONDITIONAL ORDER >
```

Fig.8



CURRENT PRICE IS 4,600 YEN OR MORE
→SELL 1,000 SHARES OF BRAND A AT PRICE BASED ON SECOND ORDER INTERPOLATION OF BAND A IN PREVIOUS 15 SECONDS

CURRENT PRICE IS LESS THAN 4,450 YEN
→SELL 1,000 SHARES OF BRAND A

FIG. 9

Order ID	Order type	Order conditions	New order	Subsidiary order	Order attributes					
					Brand	Quantity	Price	Sell/buy	Number ordered	Number executed
1	conditional	NO	none							
2	simple	NO	1	none	A	1000	4500	buy	1000	1000
3	OCO	Condition ID: 100	1							
4	current price	Condition ID: 101	3	none	A	1000	Object ID: 10	sell	0	0
5	current price	Condition ID: 103	3	none	A	1000	met	sell	0	0
6	timed	Condition ID: 105	none							
7	simple	none	none	none	B	30000	Object ID: 13	buy	0	0
8	simple	Condition ID: 106	none	none	C	10	1200000	sell	0	0
9	current price	none	none	none	D	5000	Object ID: 11	buy	0	0

FIG. 10

Condition ID	Order ID	Event type	Condition format	Process statue	Monitoring status
100	2	EXEC	EXEC(&price, &shares)	done	OFF
101	4	PRICE	UP (current price (A), 4600)	pending	ON
102	4	EXEC	EXEC(&price, &shares)	pending	OFF
103	5	PRICE	DOWN (current price (A), 4450)	pending	ON
104	4	EXEC	EXEC(&price, &shares)	pending	OFF
105	6	TIME	EQUAL (time, '9:00')	pending	ON
106	7	PRICE	UP (current price (A), 4600)	pending	OFF

FIG. 11

Condition ID	Order ID	Event type	Condition format	Process statue	Monitoring status
100	2	EXEC	EXEC(&price, &shares)	done	OFF
101	4	PRICE	UP (current price (A), 4600)	done	OFF
102	4	EXEC	EXEC(&price, &shares)	pending	OFF
103	5	PRICE	DOWN (current price (A), 4450)	pending	ON
104	5	EXEC	EXEC(&price, &shares)	pending	OFF
105	6	TIME	EQUAL (time, '9:00')	pending	ON
106	7	PRICE	UP (current price (A), 4600)	pending	OFF

FIG. 12

Order ID	Order type	Order conditions	New order	Subsidiary order	Order attributes					
					Brand	Quantity	Price	Sell/buy	Number ordered	Number executed
1	conditional	NO	none	2, 3						
2	simple	NO	1	none	A	1000	4500	buy	1000	1000
3	OCO	Condition ID: 100	1	4, 5						
4	current price	Condition ID: 101	3	none	A	1000	Object ID: 10	sell	0	0
5	current price	Condition ID: 103	3	none	A	1000	met	sell	0	0
6	timed	Condition ID: 105	none	7, 8						
7	simple	none	none	none	B	30000	Object ID: 13	buy	0	0
8	simple	Condition ID: 106	none	none	C	10	1200000	sell	0	0
9	current price	none	none	none	D	5000	Object ID: 11	buy	0	0

FIG. 13

Order ID	Order type	Order conditions	New order	Subsidiary order	Order attributes					
					Brand	Quantity	Price	Sell/buy	Number ordered	Number executed
1	conditional	NO	none	2, 3						
2	simple	NO	1	none	A	1000	4500	buy	1000	1000
3	OCO	Condition ID: 100	1	4, 5						
4	current price	Condition ID: 101	3	none	A	1000	4500	sell	1000	0
5	current price	Condition ID: 103	3	none	A	1000	met	sell	0	0
6	timed	Condition ID: 105	none	7, 8						
7	simple	none	none	none	B	30000	Object ID: 13	buy	0	0
8	simple	Condition ID: 106	none	none	C	10	1,200,000	sell	0	0
9	current price	none	none	none	D	5000	Object ID: 11	buy	0	0

FIG. 14

Condition ID	Order ID	Event type	Condition format	Process statue	Monitoring status
100	2	EXEC	EXEC(&price, &shares)	done	OFF
101	4	PRICE	UP (current price (A), 4600)	done	OFF
102	4	EXEC	EXEC(&price, &shares)	pending	ON
103	5	PRICE	DOWN (current price (A), 4450)	pending	ON
104	5	EXEC	EXEC(&price, &shares)	pending	OFF
105	6	TIME	EQUAL (time, '9:00')	pending	ON
106	7	PRICE	UP (current price (A), 4600)	pending	OFF

FIG. 15

Condition ID	Order ID	Event type	Condition format	Process statue	Monitoring status
100	2	EXEC	EXEC(&price, &shares)	done	OFF
101	4	PRICE	UP (current price (A), 4600)	done	OFF
102	4	EXEC	EXEC(&price, &shares)	done	OFF
103	5	PRICE	DOWN (current price (A), 4450)	cancelled	OFF
104	5	EXEC	EXEC(&price, &shares)	cancelled	OFF
105	6	TIME	EQUAL (time, '9:00')	pending	ON
106	7	PRICE	UP (current price (A), 4600)	pending	OFF

FIG. 16

Order ID	Order type	Order conditions	New order	Subsidiary order	Order attributes					
					Brand	Quantity	Price	Sell/buy	Number ordered	Number executed
1	conditional	NO	none	2, 3						
2	simple	NO	1	none	A	1000	4500	buy	1000	1000
3	OCO	Condition ID: 100	1	4, 5						
4	current price	Condition ID: 101	3	none	A	1000	4590	sell	1000	1000
5	current price	Condition ID: 103	3	none	A	1000	met	sell	0	0
6	timed	Condition ID: 105	none	7, 8						
7	simple	none	none	none	B	30000	Object ID: 13	buy	0	0
8	simple	Condition ID: 106	none	none	C	10	1200000	sell	0	0
9	current price	none	none	none	D	5000	Object ID: 11	buy	0	0