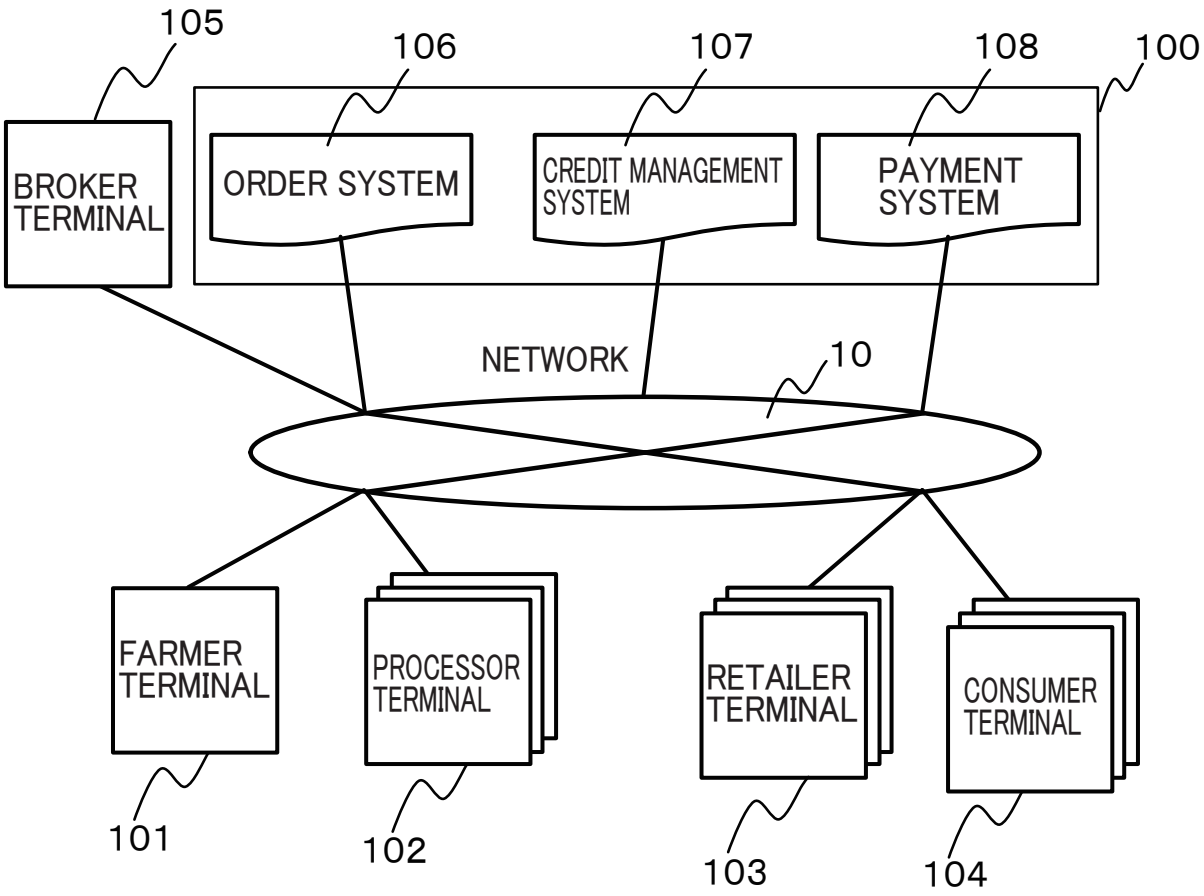

105
106
107
108
100
BROKER TERMINAL
ORDER SYSTEM
CREDIT MANAGEMENT SYSTEM
PAYMENT SYSTEM
NETWORK
10
FARMER TERMINAL
PROCESSOR TERMINAL
RETAILER TERMINAL
CONSUMER TERMINAL
101
102
103
104

FIG. 1

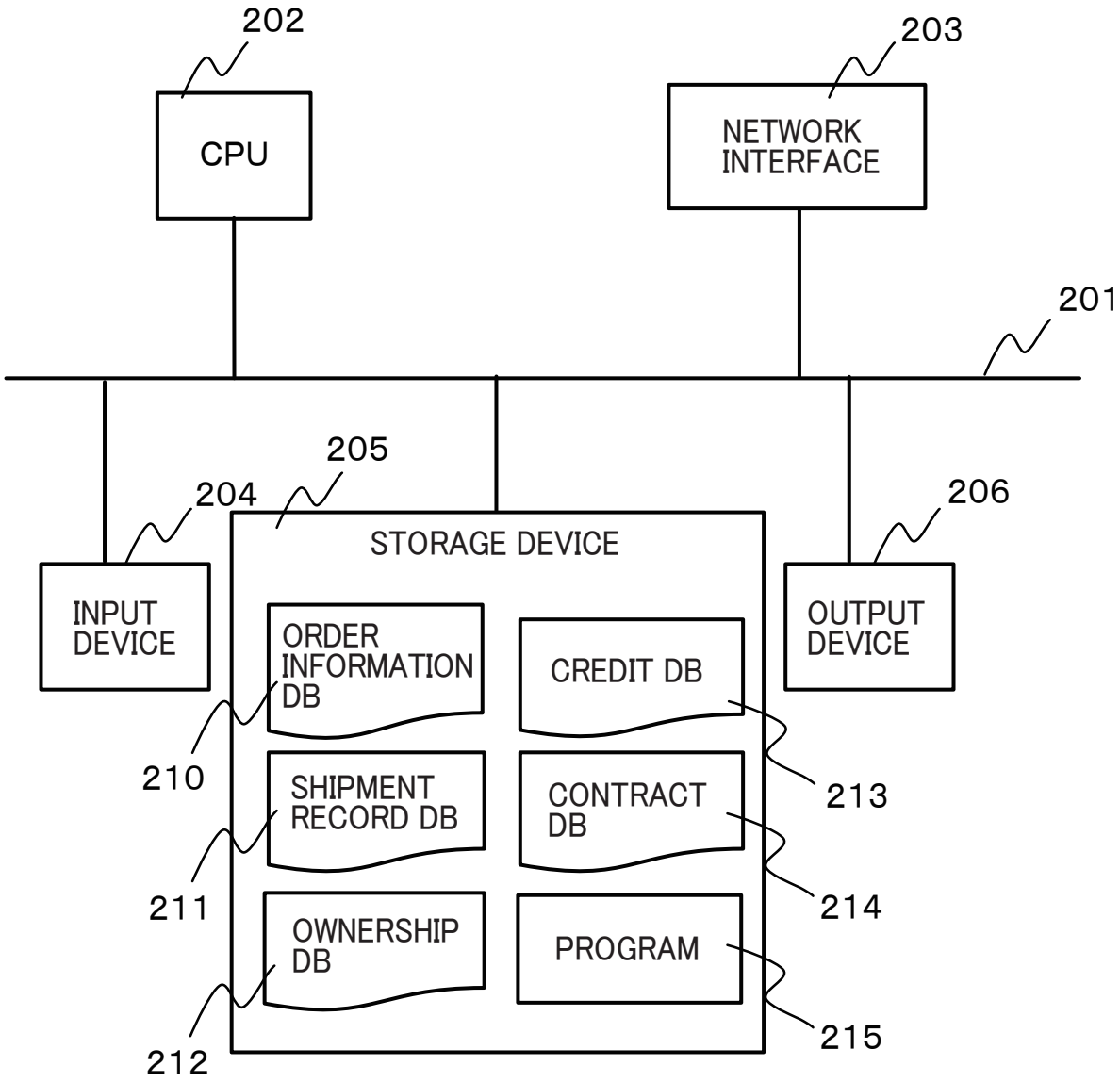
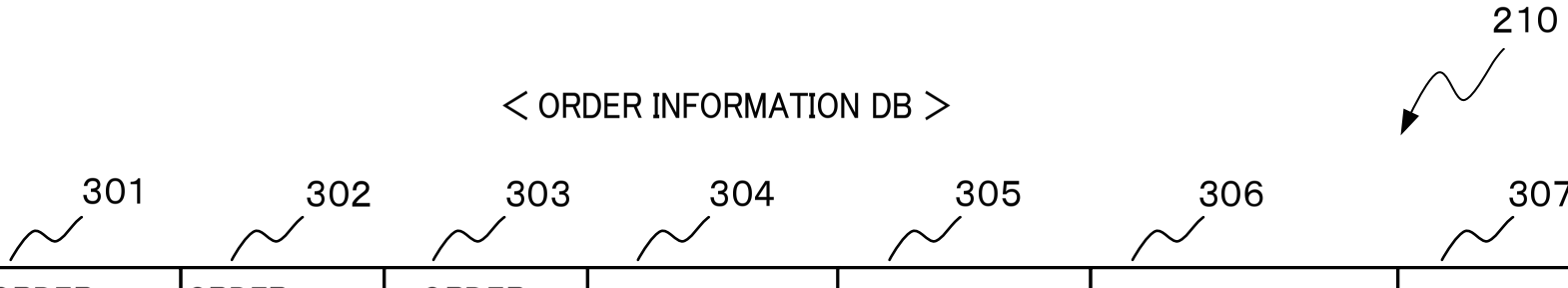
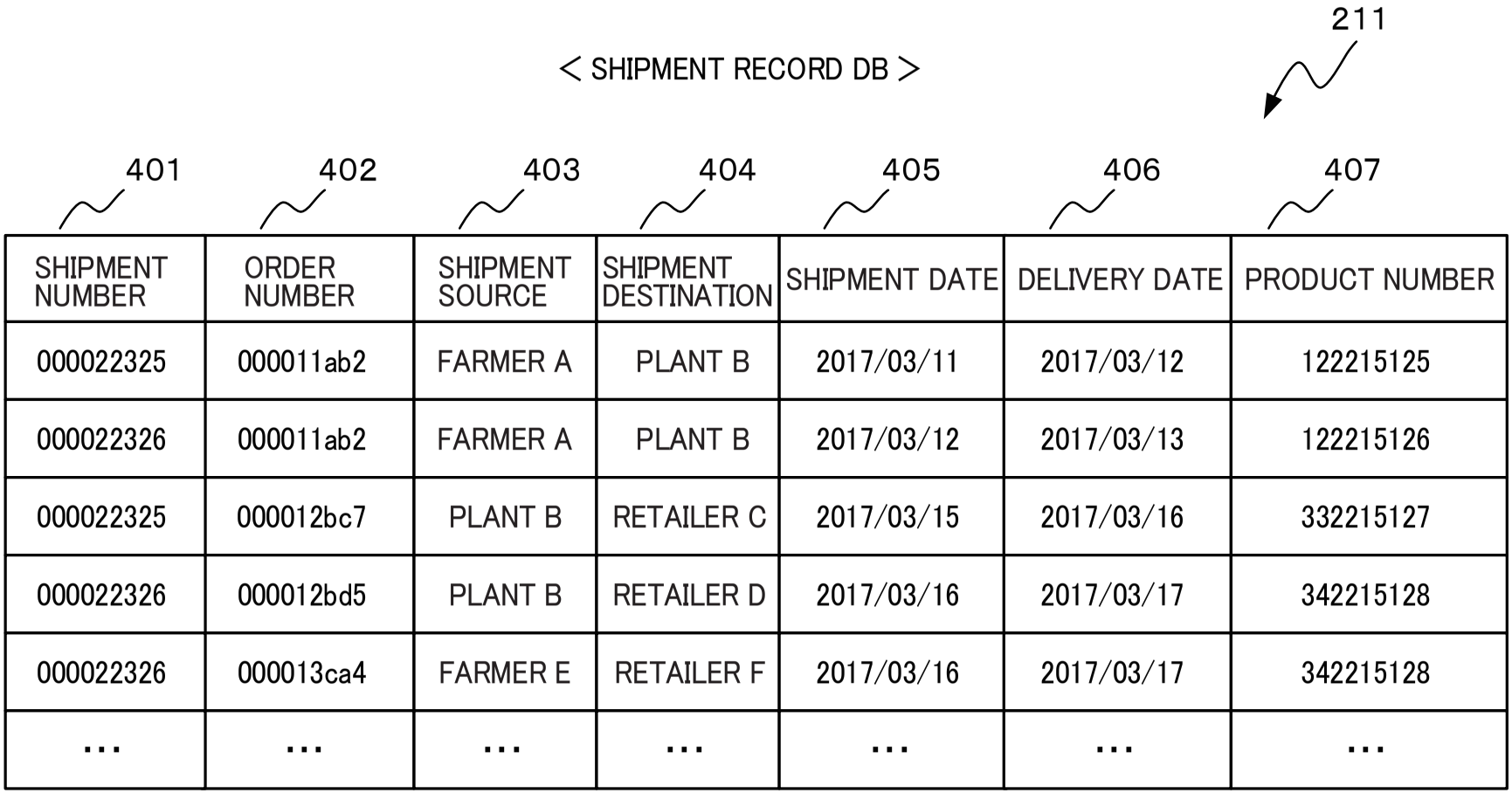

202
CPU
203
NETWORK INTERFACE
201
205
204
206
STORAGE DEVICE
INPUT DEVICE
OUTPUT DEVICE
ORDER INFORMATION DB
CREDIT DB
210
213
SHIPMENT RECORD DB
CONTRACT DB
211
214
OWNERSHIP DB
PROGRAM
212
215

FIG. 2



ORDER NUMBER	ORDER DESTINATION	ORDER SOURCE	ORDER DATE	DELIVERY DATE	PRODUCT NAME	QUANTITY
000011ab2	FARMER A	PLANT B	2017/03/11	2017/03/12	CARROT A	1000 BUNCHES
000012bc7	PLANT B	RETAILER C	2017/03/15	2017/03/17	B DRESSING	100 CASES
000012bd5	PLANT B	RETAILER D	2017/03/16	2017/03/17	AB VEGETABLE JUICE	192 BOTTLES
000013ca4	FARMER E	RETAILER F	2017/03/16	2017/03/18	CARROT E	100 BUNCHES
000014da9	LEASE G	FARMER A	2017/03/19	2017/03/20	FARM MACHINERY G1	1 SET
...	...	...	...	...	...	...

FIG. 3



SHIPMENT NUMBER	ORDER NUMBER	SHIPMENT SOURCE	SHIPMENT DESTINATION	SHIPMENT DATE	DELIVERY DATE	PRODUCT NUMBER
000022325	000011ab2	FARMER A	PLANT B	2017/03/11	2017/03/12	122215125
000022326	000011ab2	FARMER A	PLANT B	2017/03/12	2017/03/13	122215126
000022325	000012bc7	PLANT B	RETAILER C	2017/03/15	2017/03/16	332215127
000022326	000012bd5	PLANT B	RETAILER D	2017/03/16	2017/03/17	342215128
000022326	000013ca4	FARMER E	RETAILER F	2017/03/16	2017/03/17	342215128
...	...	...	...	...	...	...

FIG. 4

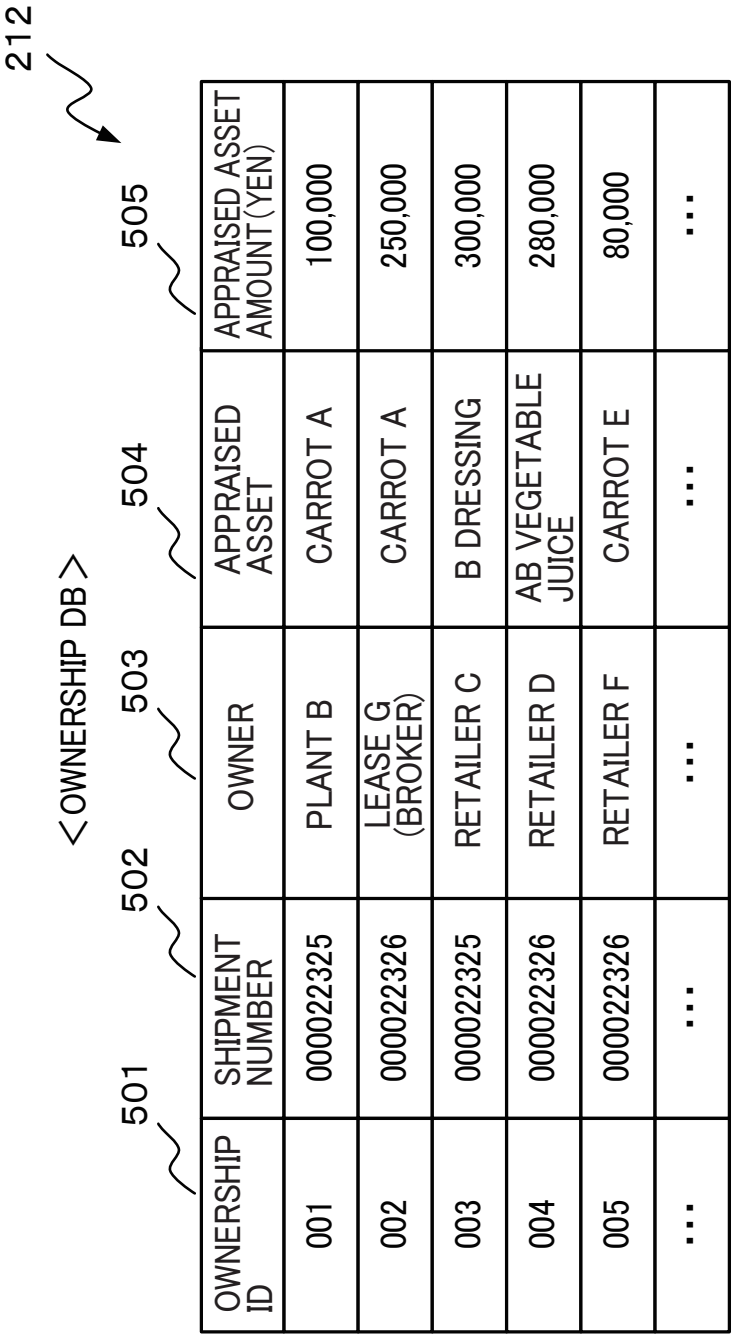

212
<OWNERSHIP DB>
501
502
503
504
505
OWNERSHIP ID
SHIPMENT NUMBER
OWNER
APPRAISED ASSET
APPRAISED ASSET AMOUNT(YEN)
001
000022325
PLANT B
CARROT A
100,000
002
000022326
LEASE G (BROKER)
CARROT A
250,000
003
000022325
RETAILER C
B DRESSING
300,000
004
000022326
RETAILER D
AB VEGETABLE JUICE
280,000
005
000022326
RETAILER F
CARROT E
80,000
...
...
...
...
...

FIG. 5

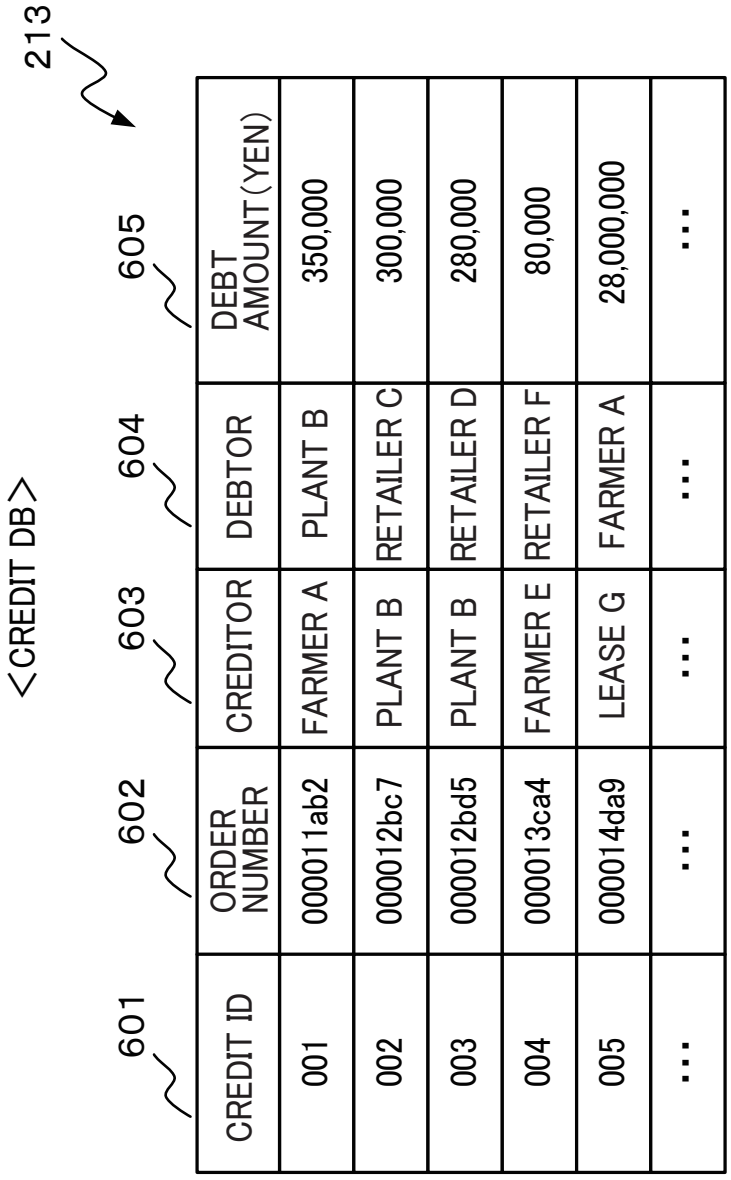
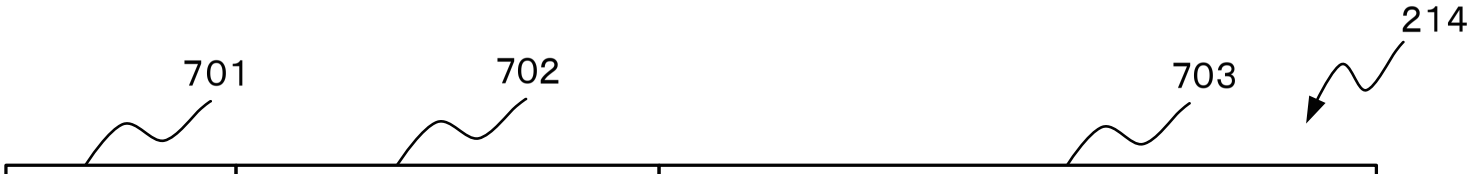

213
<CREDIT DB>
601
602
603
604
605
CREDIT ID
ORDER NUMBER
CREDITOR
DEBTOR
DEBT AMOUNT (YEN)
001
000011ab2
FARMER A
PLANT B
350,000
002
000012bc7
PLANT B
RETAILER C
300,000
003
000012bd5
PLANT B
RETAILER D
280,000
004
000013ca4
FARMER E
RETAILER F
80,000
005
000014da9
LEASE G
FARMER A
28,000,000
...
...
...
...
...

FIG. 6

＜CONTRACT DB＞



CONTRACT ID	EVENT	EXECUTION CONTENT
001	CROPS ARE DELIVERED FROM FARMER A TO PLANT B BY DESIGNATED DELIVERY DATE	・LEASE COMPANY MAKES PAYMENT FOR FARMER A BY SUBTRACTING CREDIT EXPENSE FOR FARMER A FROM AMOUNT DELIVERED TO PLANT B ・CREDIT IS SET TO PLANT B
002	PRODUCTS ARE DELIVERED FROM PLANT B TO RETAILER C BY DESIGNATED DELIVERY DATE	・LEASE COMPANY MAKES PAYMENT FOR PLANT B BY SUBTRACTING CREDIT EXPENSE FOR PLANT B FROM AMOUNT DELIVERED TO RETAILER C ・CREDIT IS SET TO RETAILER C
003	PRODUCTS ARE SOLD FROM RETAILER C	・LEASE COMPANY RECEIVES SOME OF SALES PROFIT OBTAINED BY RETAILER C AND CREDIT EXPENSE FOR RETAILER C ・LEASE COMPANY SUBTRACTS SOME OF PROFIT OBTAINED BY THIS TRANSACTION FROM CREDIT EXPENSE FOR PLANT B AT CONTRACT RATE
...	.....	.....

FIG. 7

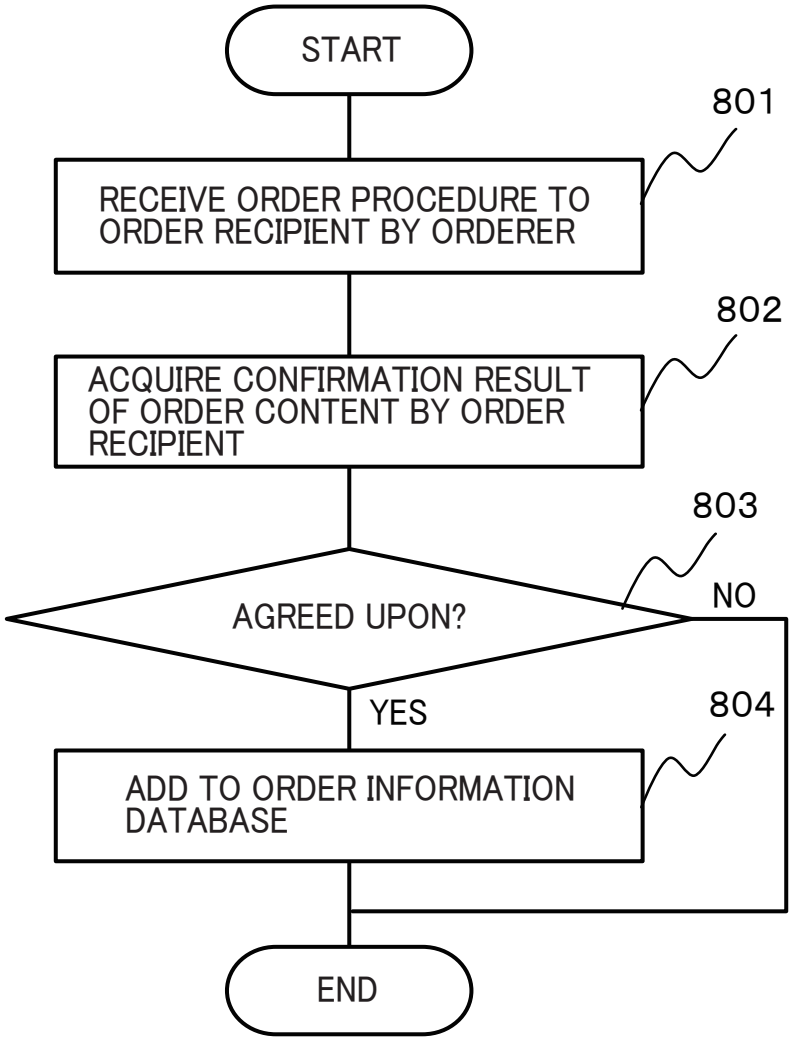

START
801
RECEIVE ORDER PROCEDURE TO ORDER RECIPIENT BY ORDERER
802
ACQUIRE CONFIRMATION RESULT OF ORDER CONTENT BY ORDER RECIPIENT
803
AGREED UPON?
NO
YES
804
ADD TO ORDER INFORMATION DATABASE
END

FIG. 8

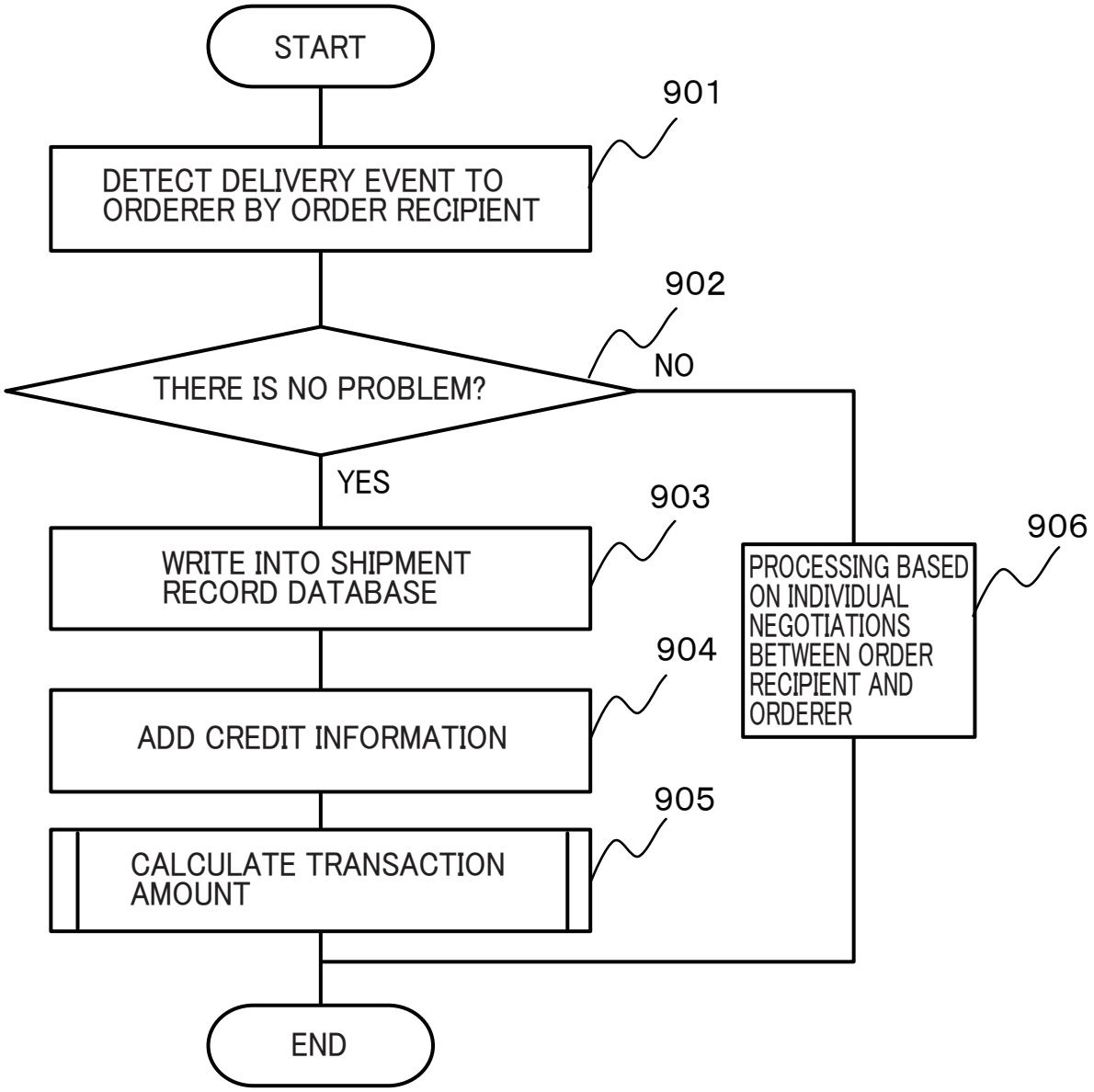

START
901
DETECT DELIVERY EVENT TO ORDERER BY ORDER RECIPIENT
902
THERE IS NO PROBLEM?
NO
YES
903
WRITE INTO SHIPMENT RECORD DATABASE
904
ADD CREDIT INFORMATION
905
CALCULATE TRANSACTION AMOUNT
906
PROCESSING BASED ON INDIVIDUAL NEGOTIATIONS BETWEEN ORDER RECIPIENT AND ORDERER
END

FIG. 9

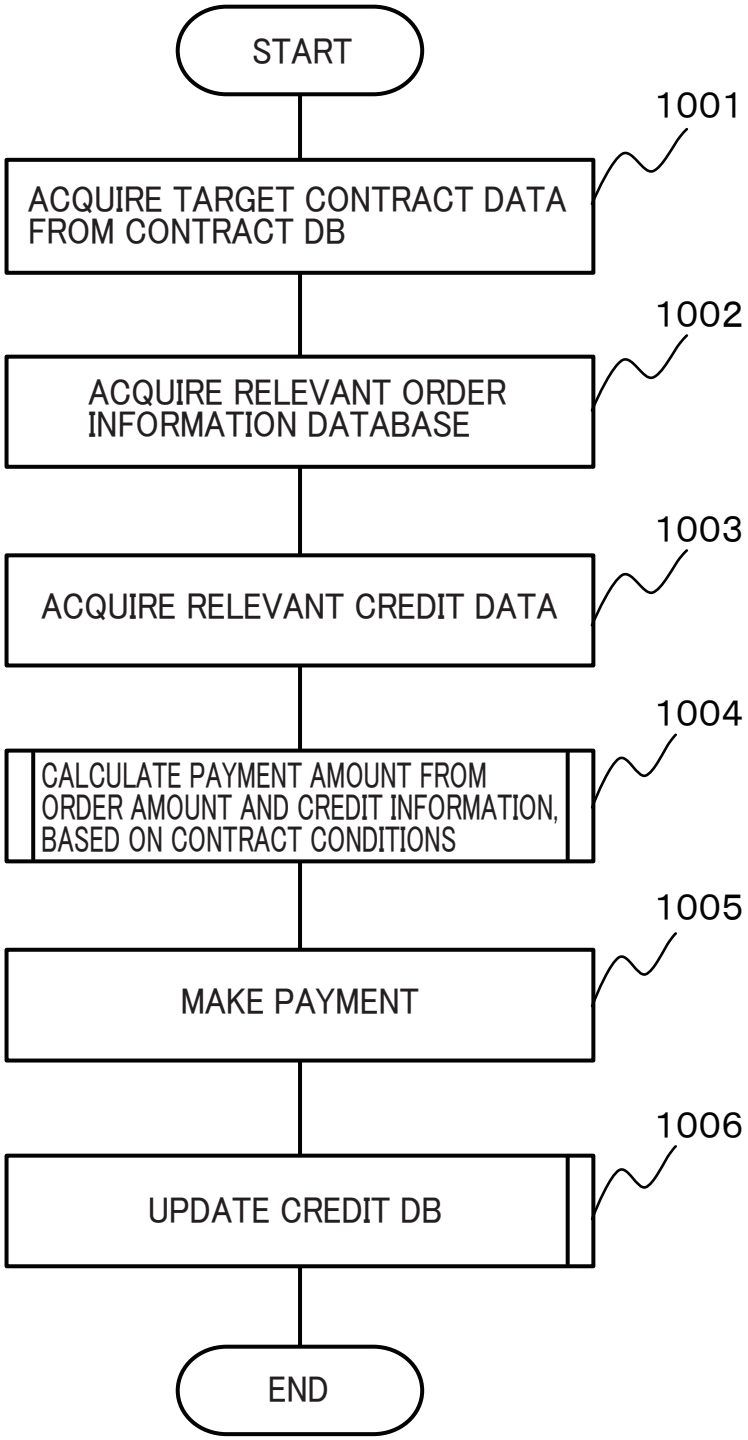

START
1001
ACQUIRE TARGET CONTRACT DATA FROM CONTRACT DB
1002
ACQUIRE RELEVANT ORDER INFORMATION DATABASE
1003
ACQUIRE RELEVANT CREDIT DATA
1004
CALCULATE PAYMENT AMOUNT FROM ORDER AMOUNT AND CREDIT INFORMATION, BASED ON CONTRACT CONDITIONS
1005
MAKE PAYMENT
1006
UPDATE CREDIT DB
END

FIG. 10

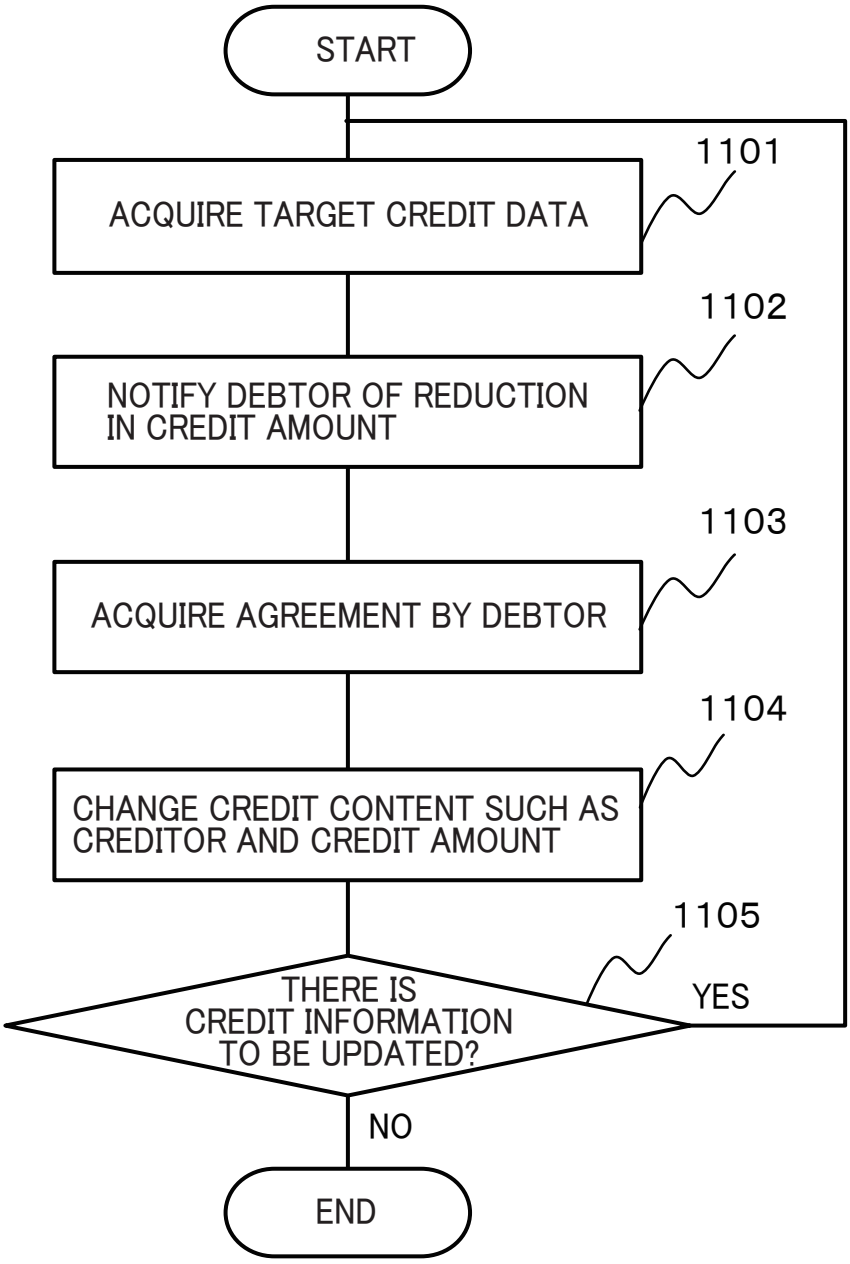

START
1101
ACQUIRE TARGET CREDIT DATA
1102
NOTIFY DEBTOR OF REDUCTION IN CREDIT AMOUNT
1103
ACQUIRE AGREEMENT BY DEBTOR
1104
CHANGE CREDIT CONTENT SUCH AS CREDITOR AND CREDIT AMOUNT
1105
THERE IS CREDIT INFORMATION TO BE UPDATED?
YES
NO
END

FIG. 11

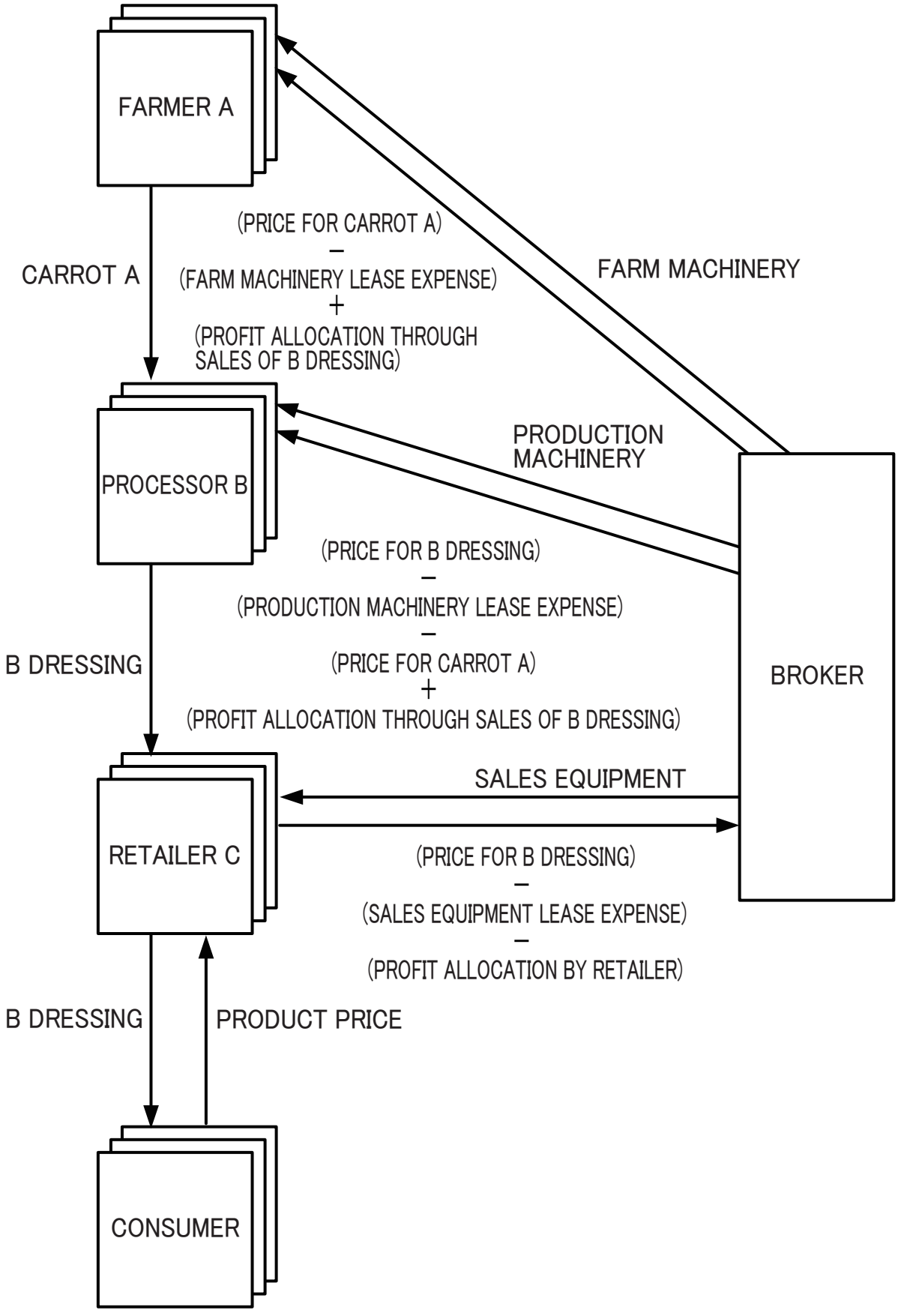

FARMER A
CARROT A
(PRICE FOR CARROT A)
−
(FARM MACHINERY LEASE EXPENSE)
+
(PROFIT ALLOCATION THROUGH SALES OF B DRESSING)
FARM MACHINERY
PROCESSOR B
PRODUCTION MACHINERY
(PRICE FOR B DRESSING)
−
(PRODUCTION MACHINERY LEASE EXPENSE)
−
(PRICE FOR CARROT A)
+
(PROFIT ALLOCATION THROUGH SALES OF B DRESSING)
B DRESSING
BROKER
SALES EQUIPMENT
RETAILER C
(PRICE FOR B DRESSING)
−
(SALES EQUIPMENT LEASE EXPENSE)
−
(PROFIT ALLOCATION BY RETAILER)
B DRESSING
PRODUCT PRICE
CONSUMER

FIG. 12

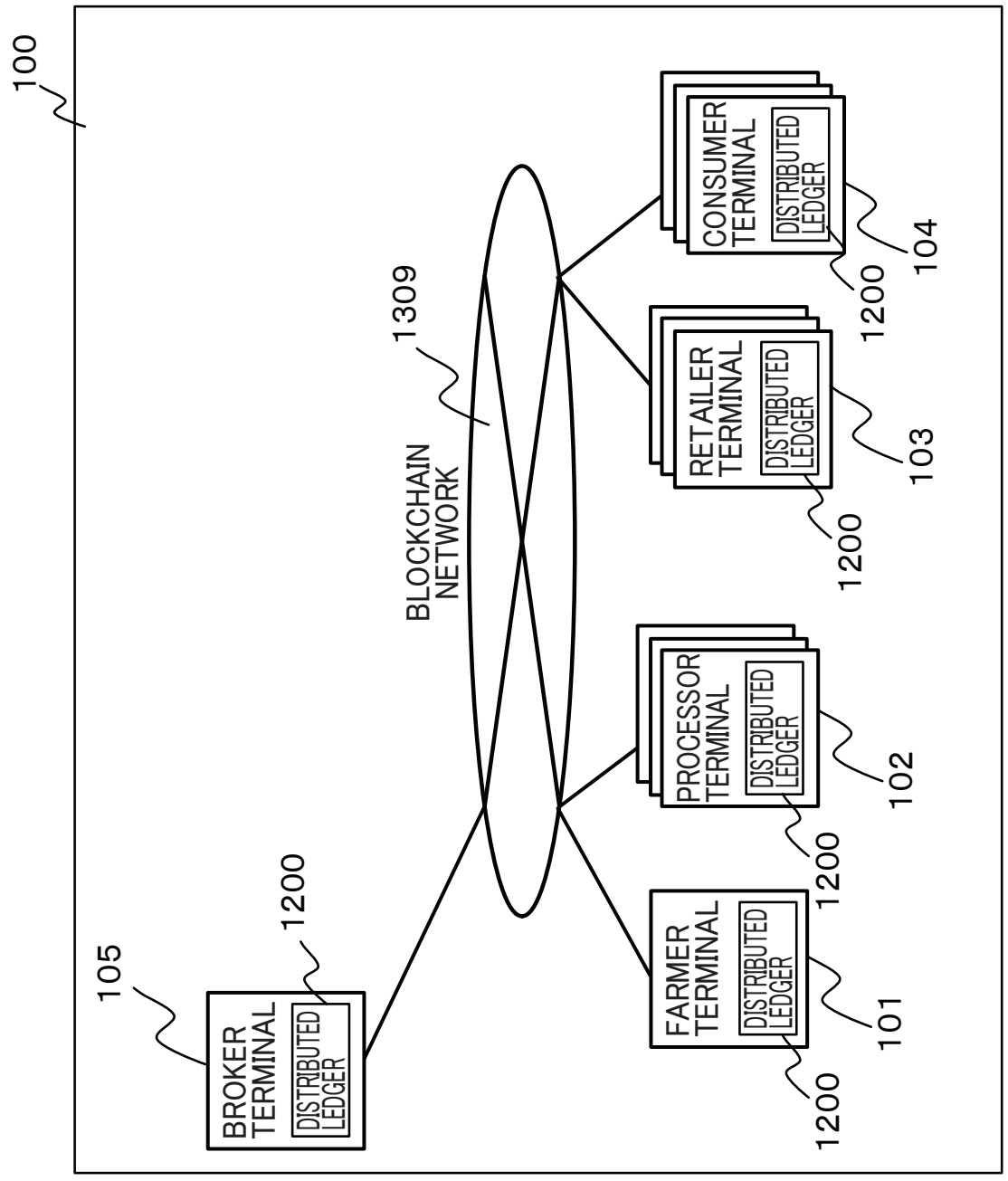

100
105
BROKER TERMINAL
DISTRIBUTED LEDGER
1200
BLOCKCHAIN NETWORK
1309
FARMER TERMINAL
DISTRIBUTED LEDGER
1200
101
PROCESSOR TERMINAL
DISTRIBUTED LEDGER
1200
102
RETAILER TERMINAL
DISTRIBUTED LEDGER
1200
103
CONSUMER TERMINAL
DISTRIBUTED LEDGER
1200
104

FIG. 13

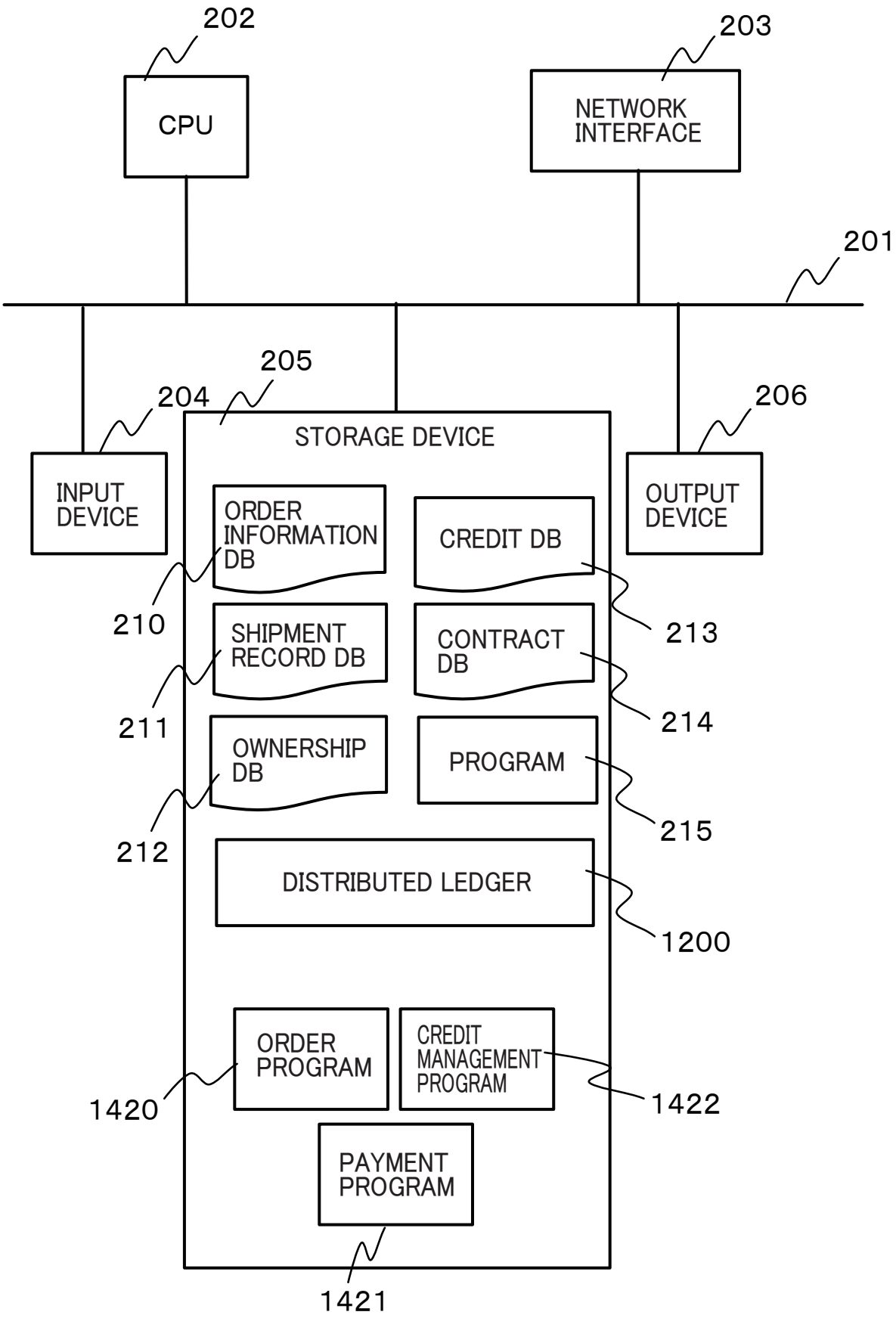

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CONTRACT DB
211
214
OWNERSHIP DB
PROGRAM
212
215
DISTRIBUTED LEDGER
1200
ORDER PROGRAM
CREDIT MANAGEMENT PROGRAM
1420
1422
PAYMENT PROGRAM
1421

FIG. 14