FIG. 1

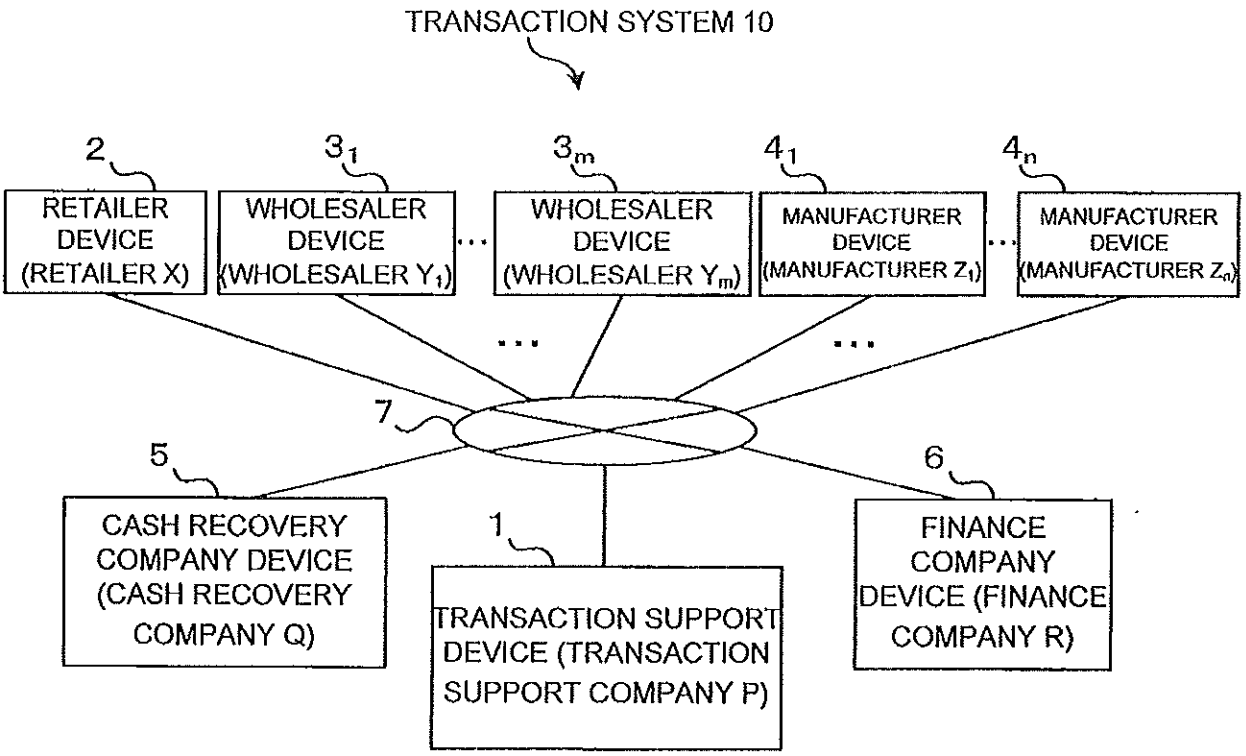

TRANSACTION SYSTEM 10
2
RETAILER DEVICE (RETAILER X)
3 1
WHOLESALER DEVICE (WHOLESALER Y1)
3 m
WHOLESALER DEVICE (WHOLESALER Ym)
4 1
MANUFACTURER DEVICE (MANUFACTURER Z1)
4 n
MANUFACTURER DEVICE (MANUFACTURER Zn)
7
5
CASH RECOVERY COMPANY DEVICE (CASH RECOVERY COMPANY Q)
1
TRANSACTION SUPPORT DEVICE (TRANSACTION SUPPORT COMPANY P)
6
FINANCE COMPANY DEVICE (FINANCE COMPANY R)

FIG. 2

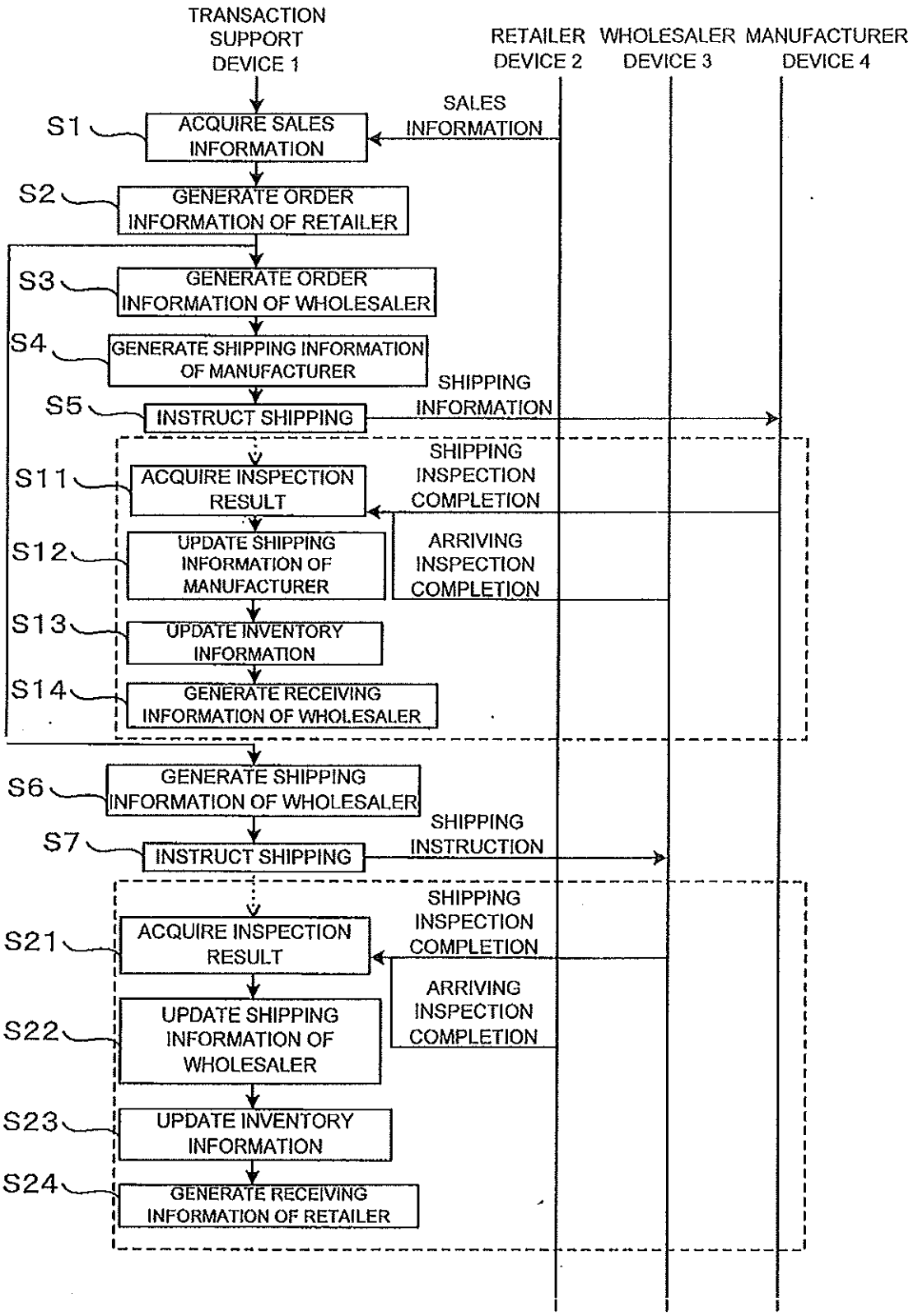

TRANSACTION SUPPORT DEVICE 1
RETAILER DEVICE 2
WHOLESALER DEVICE 3
MANUFACTURER DEVICE 4
S1
ACQUIRE SALES INFORMATION
SALES INFORMATION
S2
GENERATE ORDER INFORMATION OF RETAILER
S3
GENERATE ORDER INFORMATION OF WHOLESALER
S4
GENERATE SHIPPING INFORMATION OF MANUFACTURER
S5
INSTRUCT SHIPPING
SHIPPING INFORMATION
S11
ACQUIRE INSPECTION RESULT
SHIPPING INSPECTION COMPLETION
S12
UPDATE SHIPPING INFORMATION OF MANUFACTURER
ARRIVING INSPECTION COMPLETION
S13
UPDATE INVENTORY INFORMATION
S14
GENERATE RECEIVING INFORMATION OF WHOLESALER
S6
GENERATE SHIPPING INFORMATION OF WHOLESALER
S7
INSTRUCT SHIPPING
SHIPPING INSTRUCTION
S21
ACQUIRE INSPECTION RESULT
SHIPPING INSPECTION COMPLETION
S22
UPDATE SHIPPING INFORMATION OF WHOLESALER
ARRIVING INSPECTION COMPLETION
S23
UPDATE INVENTORY INFORMATION
S24
GENERATE RECEIVING INFORMATION OF RETAILER

FIG. 3

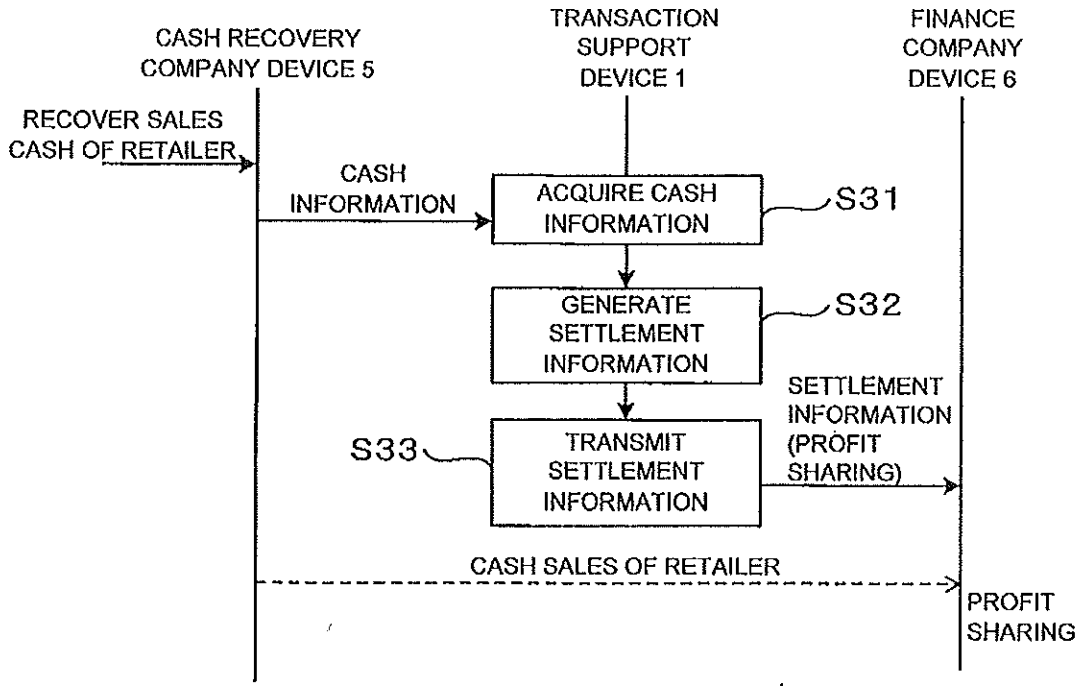

CASH RECOVERY COMPANY DEVICE 5
TRANSACTION SUPPORT DEVICE 1
FINANCE COMPANY DEVICE 6
RECOVER SALES CASH OF RETAILER
CASH INFORMATION
ACQUIRE CASH INFORMATION
S31
GENERATE SETTLEMENT INFORMATION
S32
S33
TRANSMIT SETTLEMENT INFORMATION
SETTLEMENT INFORMATION (PROFIT SHARING)
CASH SALES OF RETAILER
PROFIT SHARING

FIG. 4

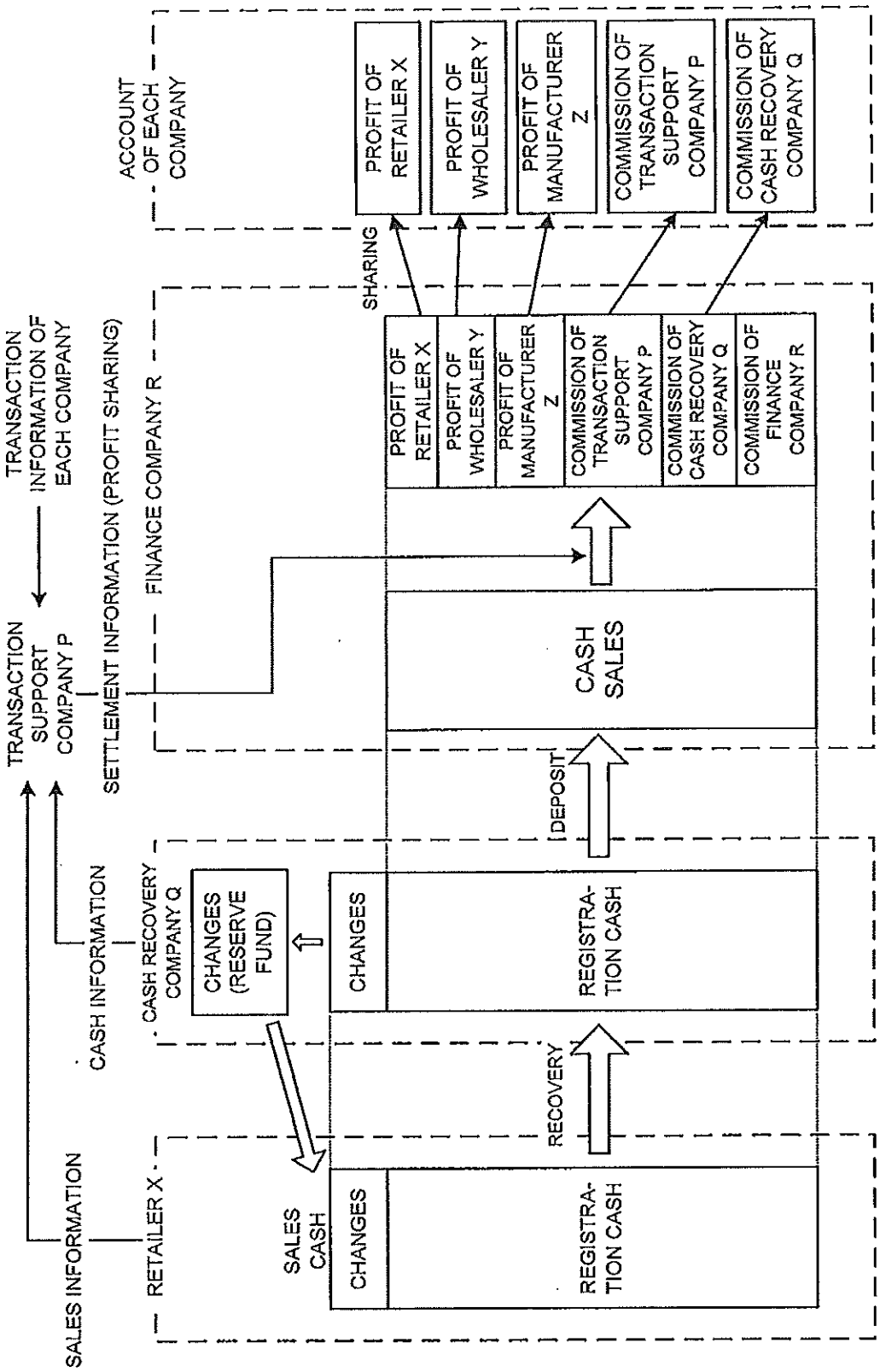

ACCOUNT OF EACH COMPANY
PROFIT OF RETAILER X
PROFIT OF WHOLESALER Y
PROFIT OF MANUFACTURER Z
COMMISSION OF TRANSACTION SUPPORT COMPANY P
COMMISSION OF CASH RECOVERY COMPANY Q
SHARING
FINANCE COMPANY R
PROFIT OF RETAILER X
PROFIT OF WHOLESALER Y
PROFIT OF MANUFACTURER Z
COMMISSION OF TRANSACTION SUPPORT COMPANY P
COMMISSION OF CASH RECOVERY COMPANY Q
COMMISSION OF FINANCE COMPANY R
TRANSACTION INFORMATION OF EACH COMPANY
SETTLEMENT INFORMATION (PROFIT SHARING)
TRANSACTION SUPPORT COMPANY P
CASH SALES
DEPOSIT
CASH RECOVERY COMPANY Q
CHANGES (RESERVE FUND)
CHANGES
REGISTRATION CASH
CASH INFORMATION
RECOVERY
SALES CASH
CHANGES
REGISTRATION CASH
SALES INFORMATION
RETAILER X

FIG. 5

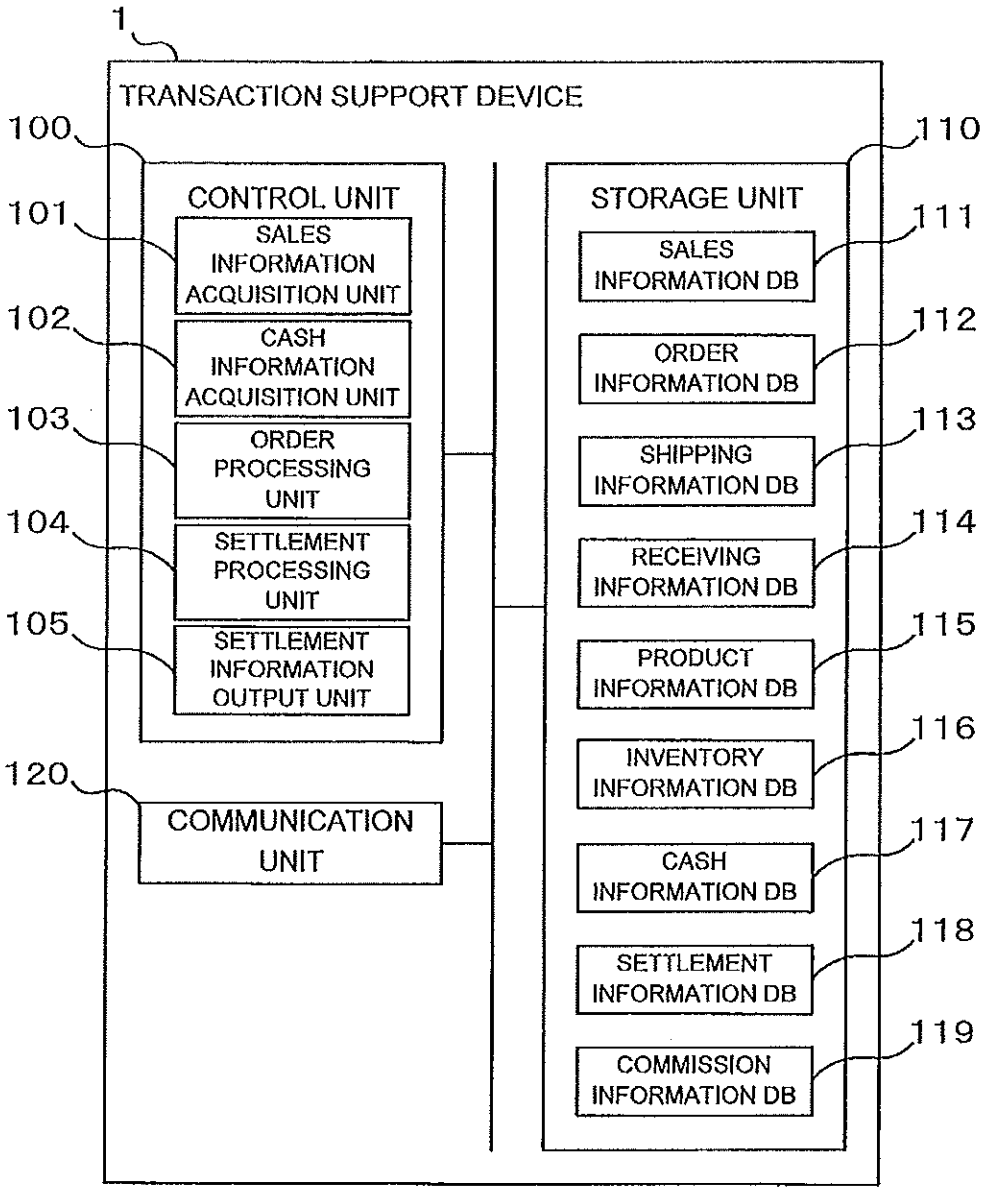

1
TRANSACTION SUPPORT DEVICE
100
CONTROL UNIT
101
SALES INFORMATION ACQUISITION UNIT
102
CASH INFORMATION ACQUISITION UNIT
103
ORDER PROCESSING UNIT
104
SETTLEMENT PROCESSING UNIT
105
SETTLEMENT INFORMATION OUTPUT UNIT
120
COMMUNICATION UNIT
110
STORAGE UNIT
111
SALES INFORMATION DB
112
ORDER INFORMATION DB
113
SHIPPING INFORMATION DB
114
RECEIVING INFORMATION DB
115
PRODUCT INFORMATION DB
116
INVENTORY INFORMATION DB
117
CASH INFORMATION DB
118
SETTLEMENT INFORMATION DB
119
COMMISSION INFORMATION DB

FIG. 6

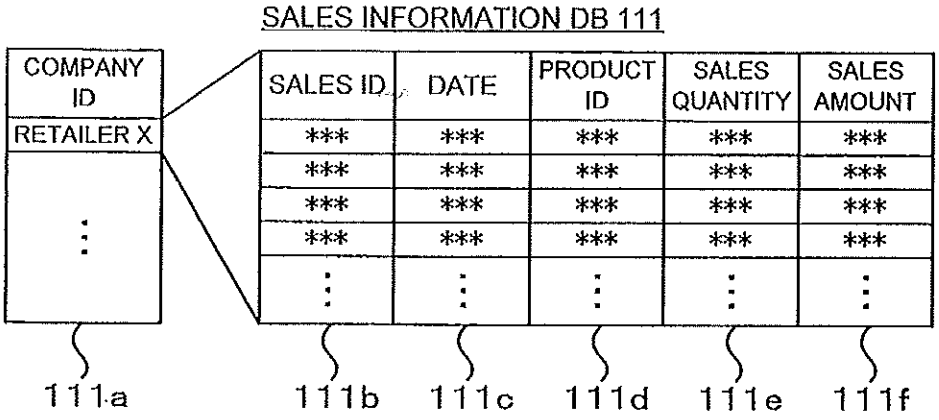

SALES INFORMATION DB 111
COMPANY ID
RETAILER X
SALES ID
DATE
PRODUCT ID
SALES QUANTITY
SALES AMOUNT
***
111a
111b
111c
111d
111e
111f

FIG. 7

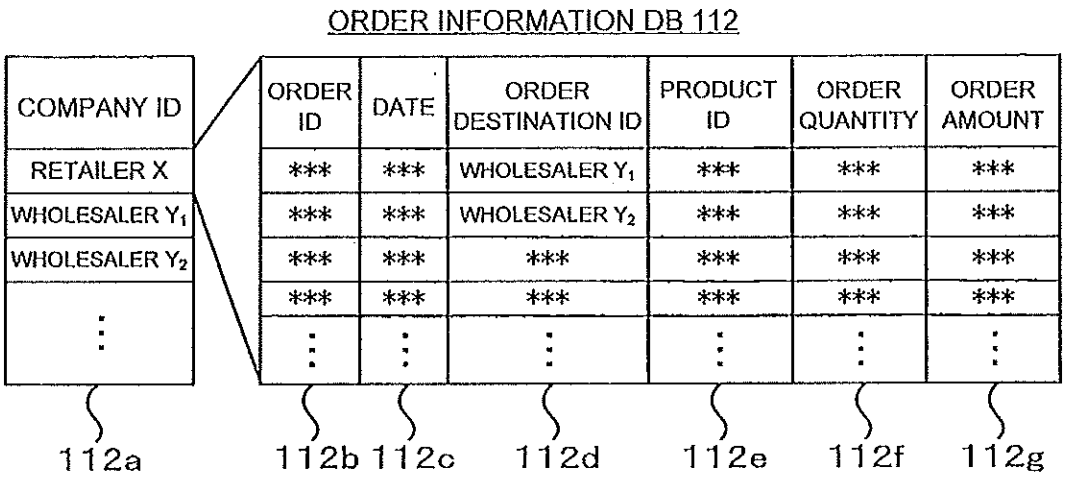

ORDER INFORMATION DB 112
COMPANY ID
RETAILER X
WHOLESALER Y1
WHOLESALER Y2
ORDER ID
DATE
ORDER DESTINATION ID
PRODUCT ID
ORDER QUANTITY
ORDER AMOUNT
WHOLESALER Y1
WHOLESALER Y2
112a
112b
112c
112d
112e
112f
112g

FIG. 8

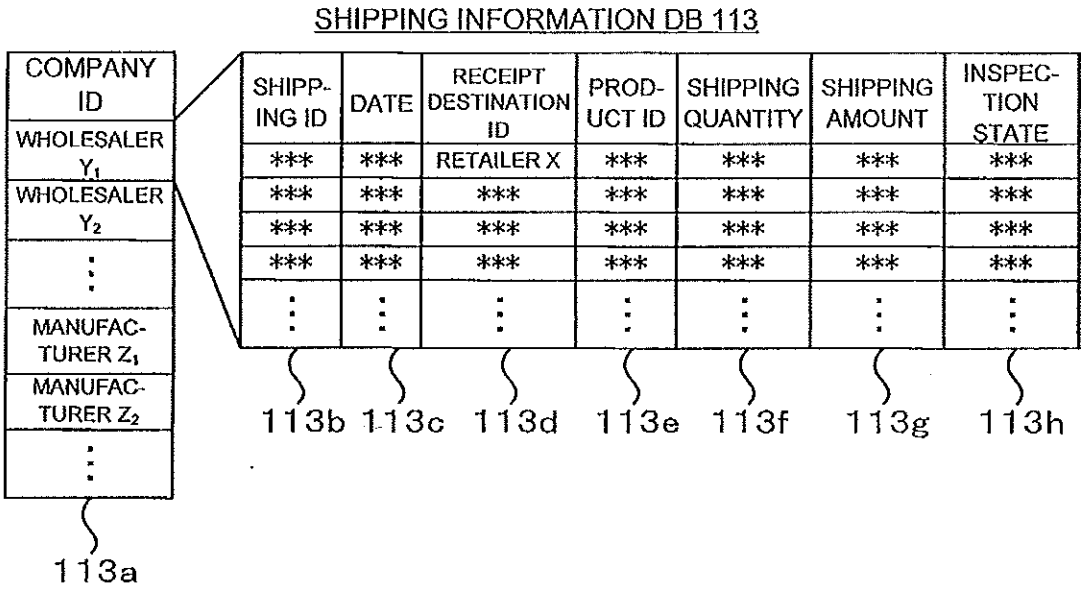

SHIPPING INFORMATION DB 113
COMPANY ID
WHOLESALER Y_1
WHOLESALER Y_2
MANUFACTURER Z_1
MANUFACTURER Z_2
113a
SHIPPING ID
DATE
RECEIPT DESTINATION ID
PRODUCT ID
SHIPPING QUANTITY
SHIPPING AMOUNT
INSPECTION STATE
***
RETAILER X
113b
113c
113d
113e
113f
113g
113h

FIG. 9

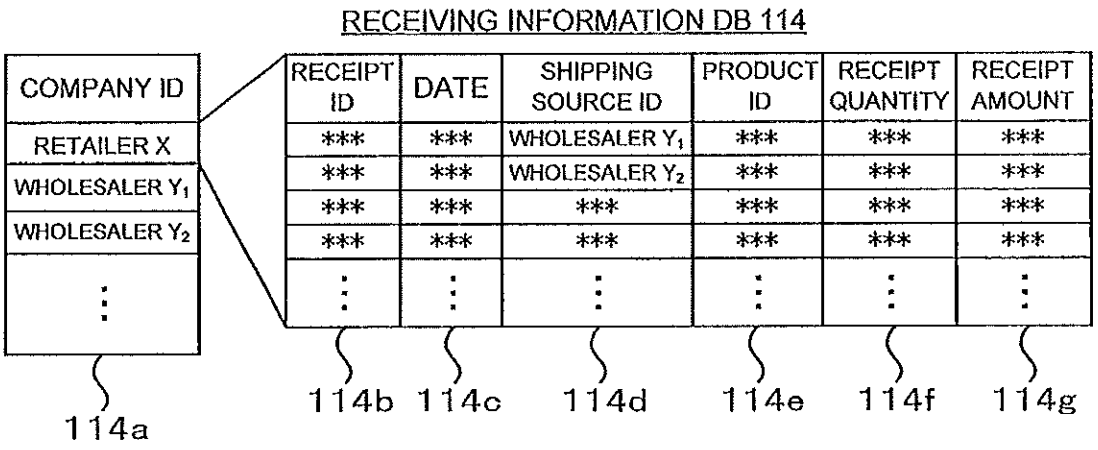

RECEIVING INFORMATION DB 114
COMPANY ID
RETAILER X
WHOLESALER Y1
WHOLESALER Y2
RECEIPT ID
DATE
SHIPPING SOURCE ID
PRODUCT ID
RECEIPT QUANTITY
RECEIPT AMOUNT
WHOLESALER Y1
WHOLESALER Y2
114a
114b
114c
114d
114e
114f
114g

FIG. 10

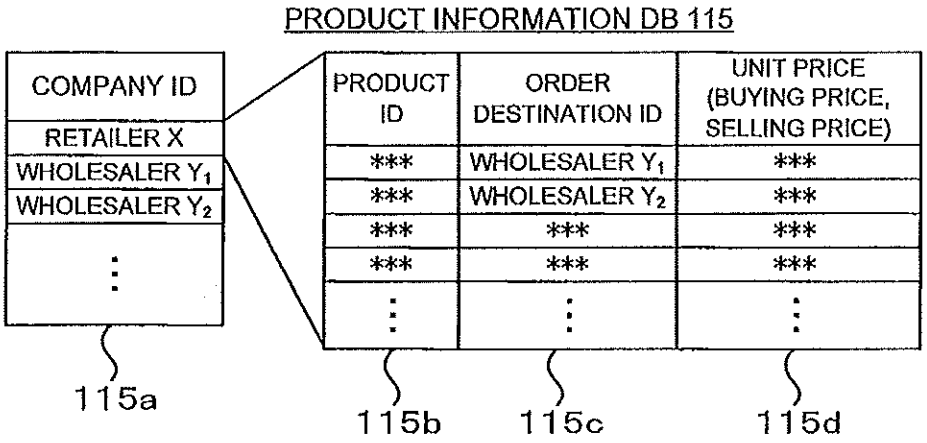

PRODUCT INFORMATION DB 115
COMPANY ID
RETAILER X
WHOLESALER Y_1
WHOLESALER Y_2
PRODUCT ID
ORDER DESTINATION ID
UNIT PRICE (BUYING PRICE, SELLING PRICE)
***
WHOLESALER Y_1
WHOLESALER Y_2
115a
115b
115c
115d

FIG. 11

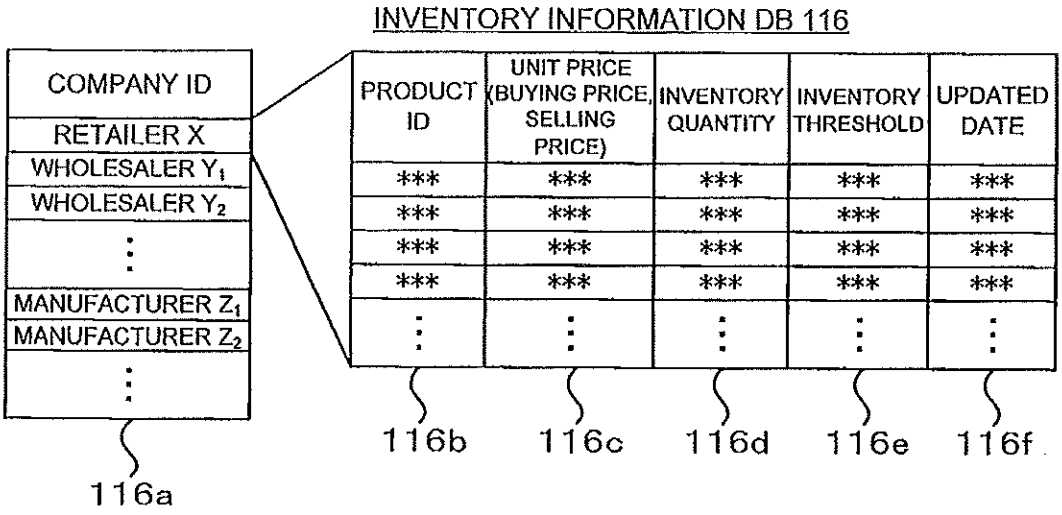

INVENTORY INFORMATION DB 116
COMPANY ID
RETAILER X
WHOLESALER Y_1
WHOLESALER Y_2
MANUFACTURER Z_1
MANUFACTURER Z_2
116a
PRODUCT ID
UNIT PRICE (BUYING PRICE, SELLING PRICE)
INVENTORY QUANTITY
INVENTORY THRESHOLD
UPDATED DATE
***
116b
116c
116d
116e
116f

FIG. 12

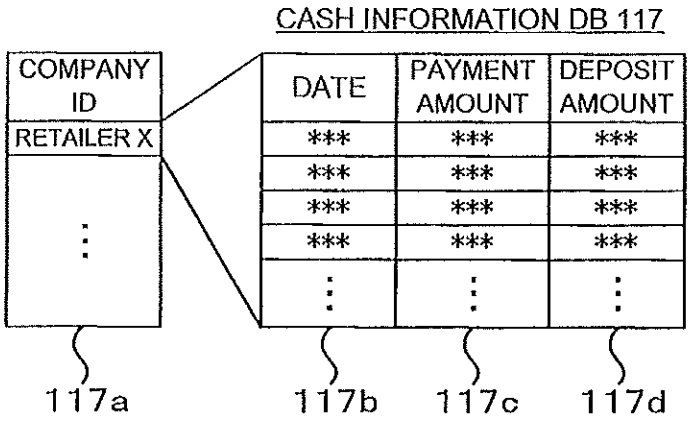

CASH INFORMATION DB 117
COMPANY ID
RETAILER X
DATE
PAYMENT AMOUNT
DEPOSIT AMOUNT
***
117a
117b
117c
117d

FIG. 13

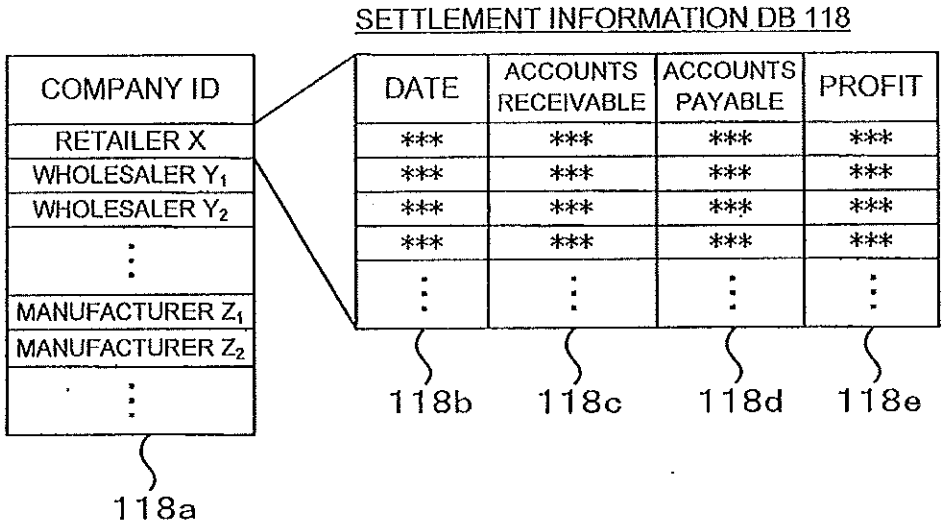

SETTLEMENT INFORMATION DB 118
COMPANY ID
RETAILER X
WHOLESALER Y_1
WHOLESALER Y_2
MANUFACTURER Z_1
MANUFACTURER Z_2
118a
DATE
ACCOUNTS RECEIVABLE
ACCOUNTS PAYABLE
PROFIT
***
118b
118c
118d
118e

FIG. 14

COMMISSION INFORMATION DB 119

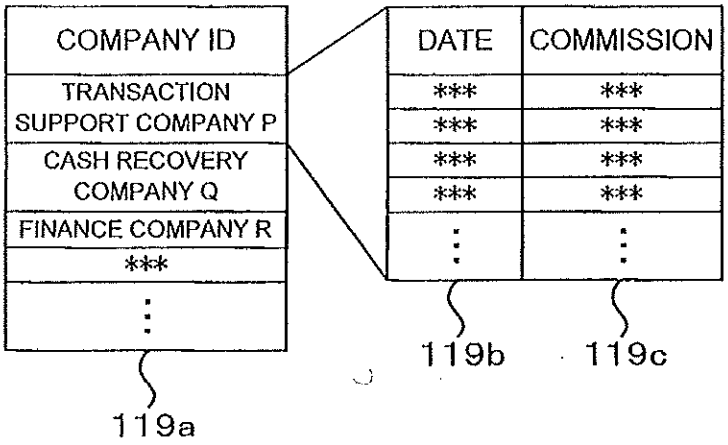


FIG. 15

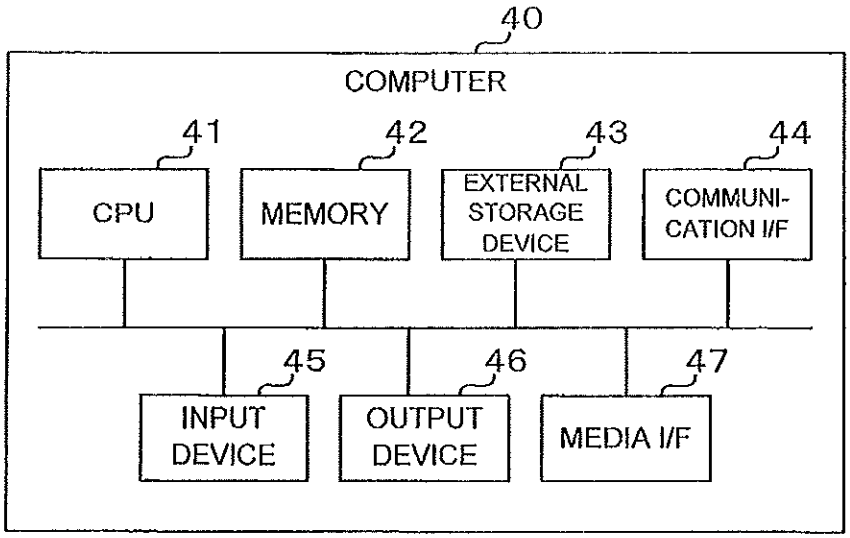

40
COMPUTER
41
CPU
42
MEMORY
43
EXTERNAL STORAGE DEVICE
44
COMMUNI-CATION I/F
45
INPUT DEVICE
46
OUTPUT DEVICE
47
MEDIA I/F

FIG. 16

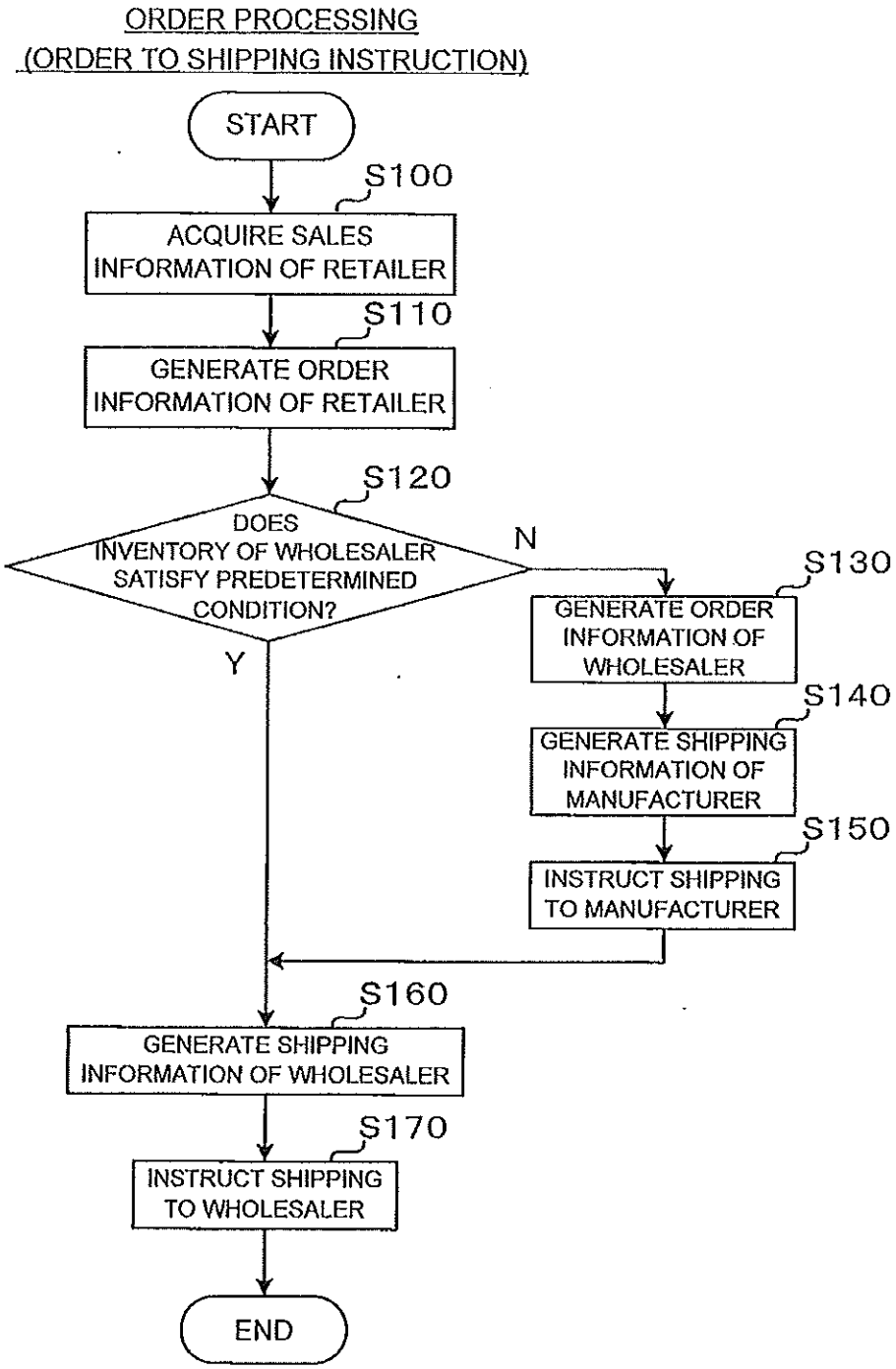

ORDER PROCESSING
(ORDER TO SHIPPING INSTRUCTION)
START
S100
ACQUIRE SALES INFORMATION OF RETAILER
S110
GENERATE ORDER INFORMATION OF RETAILER
S120
DOES INVENTORY OF WHOLESALER SATISFY PREDETERMINED CONDITION?
N
Y
S130
GENERATE ORDER INFORMATION OF WHOLESALER
S140
GENERATE SHIPPING INFORMATION OF MANUFACTURER
S150
INSTRUCT SHIPPING TO MANUFACTURER
S160
GENERATE SHIPPING INFORMATION OF WHOLESALER
S170
INSTRUCT SHIPPING TO WHOLESALER
END

FIG. 17

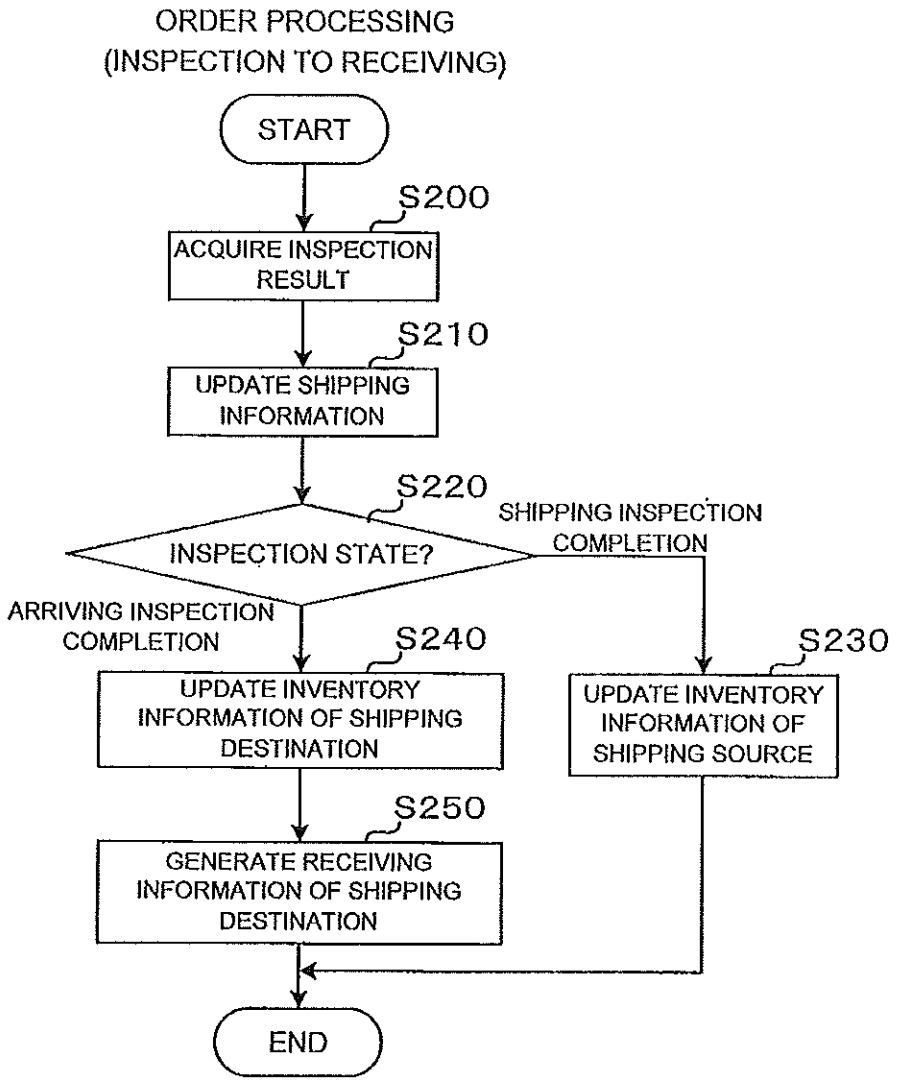

ORDER PROCESSING
(INSPECTION TO RECEIVING)
START
S200
ACQUIRE INSPECTION RESULT
S210
UPDATE SHIPPING INFORMATION
S220
INSPECTION STATE?
SHIPPING INSPECTION COMPLETION
ARRIVING INSPECTION COMPLETION
S240
UPDATE INVENTORY INFORMATION OF SHIPPING DESTINATION
S230
UPDATE INVENTORY INFORMATION OF SHIPPING SOURCE
S250
GENERATE RECEIVING INFORMATION OF SHIPPING DESTINATION
END

FIG. 18

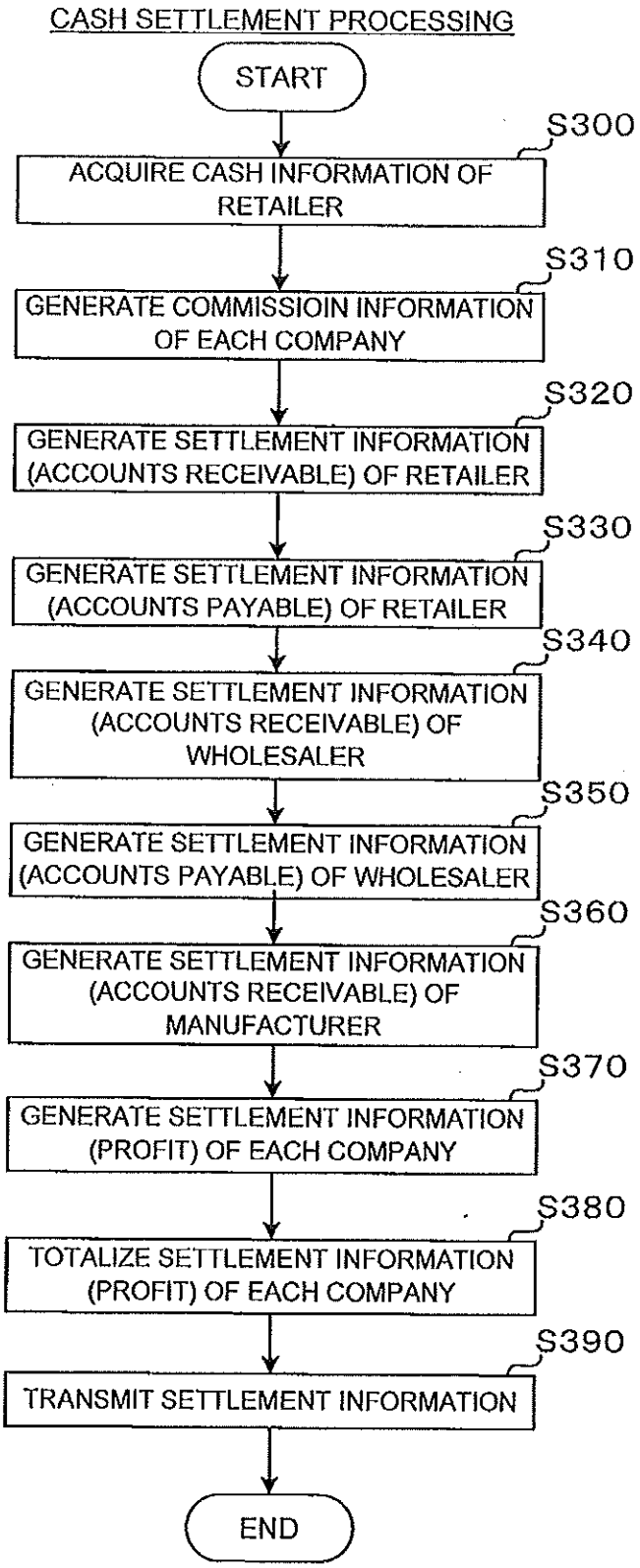

CASH SETTLEMENT PROCESSING
START
S300
ACQUIRE CASH INFORMATION OF RETAILER
S310
GENERATE COMMISSIOIN INFORMATION OF EACH COMPANY
S320
GENERATE SETTLEMENT INFORMATION (ACCOUNTS RECEIVABLE) OF RETAILER
S330
GENERATE SETTLEMENT INFORMATION (ACCOUNTS PAYABLE) OF RETAILER
S340
GENERATE SETTLEMENT INFORMATION (ACCOUNTS RECEIVABLE) OF WHOLESALER
S350
GENERATE SETTLEMENT INFORMATION (ACCOUNTS PAYABLE) OF WHOLESALER
S360
GENERATE SETTLEMENT INFORMATION (ACCOUNTS RECEIVABLE) OF MANUFACTURER
S370
GENERATE SETTLEMENT INFORMATION (PROFIT) OF EACH COMPANY
S380
TOTALIZE SETTLEMENT INFORMATION (PROFIT) OF EACH COMPANY
S390
TRANSMIT SETTLEMENT INFORMATION
END

FIG. 19

	ACCOUNTS RECEIVABLE	ACCOUNTS PAYABLE	PROFIT
TRANSACTION SUPPORT COMPANY P	–	–	COMMISSION
CASH RECOVERY COMPANY Q	–	–	COMMISSION
FINANCE COMPANY R	–	–	COMMISSION
RETAILER X	SALES CASH AMOUNT	RECEIPT AMOUNT AT SELLING PRICE OF WHOLESALER Y	ACCOUNTS RECEIVABLE – ACCOUNTS PAYABLE – TOTAL COMMISSION
WHOLESALER Y	SHIPPING AMOUNT AT SELLING PRICE OF WHOLESALER Y	RECEIPT AMOUNT AT SELLING PRICE OF MANUFACTURER Z	ACCOUNTS RECEIVABLE – ACCOUNTS PAYABLE
MANUFACTURER Z	SHIPPING AMOUNT AT SELLING PRICE OF MANUFACTURER Z	0	ACCOUNTS RECEIVABLE – ACCOUNTS PAYABLE