**CLAIMS**

[Claim 1]

A transaction management system comprising:

a transaction setting information storage part configured to store an upstream trader from whom an intermediary trader purchases a product identified by a product ID, in association with the product ID and an intermediary trader ID of the intermediary trader;

a price storage part configured to store a first sales price which is a sales price of the product by an upstream trader identified with an upstream trader ID, in association with the product ID and the upstream trader ID, and to store a second sales price which is a sales price of the product by the intermediary trader, in association with the product ID and the intermediary trader ID;

an order management part configured to receive, from a downstream trader to whom the intermediary trader sells the product, an order of the product to the intermediary trader together with input of the product ID, a downstream trader ID of the downstream trader, and an order quantity of the product; and

a slip issuance processing part configured to issue an order slip from the downstream trader to the intermediary trader on the basis of the order quantity received by the order management part and the second sales price, and to issue an order slip from the intermediary trader to the upstream trader on the basis of the order quantity received by the order management part and the first sales price.

[Claim 2]

The transaction management system according to claim 1, wherein the slip issuance processing part issues a bill slip or a delivery slip from the upstream trader to the intermediary trader on the basis of the order quantity and the first sales price used to issue the order slip from the intermediary trader to the upstream trader, and issues a bill slip or a delivery slip from the intermediary trader to the downstream trader on the basis of the order quantity and the second sales price used to issue the order slip from the downstream trader to the intermediary trader.

[Claim 3]

The transaction management system according to claim 1 or 2, wherein

the transaction setting information storage part stores setting for a case where a product is ordered to an intermediary trader identified with the intermediary trader ID, in association with the intermediary ID, the product ID, and the upstream trader ID, the setting indicating the necessity of further ordering from the intermediary trader to an upstream trader identified with the upstream trader ID, and the propriety of automatic ordering,

if an order of a product from the downstream trader to the intermediary trader is received, the order management part turns on an orderable flag enabling processing for the order from the downstream trader to the intermediary trader, accesses the transaction setting information storage part, and, based on the setting of the necessity of further ordering to the upstream trader and the propriety of

automatic ordering, turns on an orderable flag enabling processing for the order from the intermediary trader to the upstream trader when the setting indicates that the further ordering is needed and the automatic ordering is permitted, and

the slip issuance processing part issues an order slip from the downstream trader to the intermediary trader if the order management part turns on the orderable flag enabling the processing for the order from the downstream trader to the intermediary trader, and issues an order slip from the intermediary trader to the upstream trader if the order management part turns on the orderable flag enabling the processing for the order from the intermediary trader to the upstream trader.

[Claim 4]

The transaction management system according to any of claims 1 to 3,

comprising the transaction management information storage part configured to store transaction management information on an ordered product for each transaction, the transaction management information indicating a product ID of the product, a trader ID of an orderer of the product, a trader ID of an order recipient selling the product to the orderer, a trader ID of a shipping destination to which the order recipient ships the product, an order quantity, and a product shipment status to the shipping destination, and

further comprising a distribution state management part configured to, in response to an inquiry of stock quantity of the product in a inquiry target trader

designated with the trader ID, the inquiry received together with designation of the trader ID and the product ID, access the transaction management information storage part, and calculate and present the stock quantity of the product in the inquiry target trader by subtracting the order quantity in the transaction management information in which the inquiry target trader is registered as an order recipient from the order quantity in the transaction management information in which the inquiry target trader is registered as an orderer and a shipping destination.

[Claim 5]

The transaction management system according to any of claims 1 to 4, comprising a delivery management part configured to:

in response to reception of a transaction ID and a shipment completion notice sent from a terminal of an upstream trader, determine whether an acceptance reference between traders of the transaction ID is acceptance on shipment or acceptance on delivery, and

if the acceptance reference is on shipment,

turn on a chargeable flag between the traders,

if the acceptance reference is on delivery,

register the transaction ID in a waiting list and thereafter,

thereafter stores a product receipt date if the product receipt date is sent from a terminal of the downstream trader,

periodically determine whether the product receipt date is stored for each transaction ID stored in the waiting list, and

if the product receipt date is written, turn on the chargeable flag of a transaction identified with the transaction ID between traders of acceptance on delivery,

wherein the slip issuance processing part creates slip data only for a transaction whose chargeable flag is turned on, according to a billing mode, immediately for every-transaction billing, and on a closing day for cycle billing.

[Claim 6]

The transaction management system according to claim 4 or 5, wherein when a product is shipped by any of the upstream traders to the intermediary trader or the downstream trader, the transaction management information storage part stores, as information indicating completion of the shipment in the transaction management information, the trader ID of the intermediary trader or the downstream trader to whom the product is shipped.

[Claim 7]

The transaction management system according to any one of claims 1 to 6, wherein the slip issuance processing part generates a purchase ledger or a sales ledger formed by accumulating information used for issuing the order slip.

[Claim 8]

A transaction management program causing a computer to function as:

a transaction setting information storage part configured to store an upstream trader ID from whom an intermediary trader purchases a product identified with a product ID, in association with the product ID and an intermediary trader ID of the intermediary trader,

a price storage part configured to store a first sales price being a sales price of the product by an upstream trader identified with the upstream trader ID, in association with the product ID and the upstream trader ID, and storing a second sales price being a sales price of the product by the intermediary trader, in association with the product ID and the intermediary trader ID,

an order acceptance part configured to receive, from a downstream trader to whom the intermediary trader sells the product, an order of the product to the intermediary trader together with input of the product ID, a downstream trader ID of the downstream trader, and an order quantity of the product, and

a slip issuance processing part configured to issue an order slip from the downstream trader to the intermediary trader on the basis of the order quantity received by the order management part and the second sales price, and issue an order slip from the intermediary trader to the upstream trader on the basis of the order quantity received by the order management part and the first sales price.

## CLAIMS

[Claim 1]

A transaction management system comprising:

a transaction setting information storage part configured to store an upstream trader from whom an intermediary trader purchases a product identified by a product ID, in association with the product ID and an intermediary trader ID of the intermediary trader;

a price storage part configured to store a first sales price which is a sales price of the product by an upstream trader identified with an upstream trader ID, in association with the product ID and the upstream trader ID, and to store a second sales price which is a sales price of the product by the intermediary trader, in association with the product ID and the intermediary trader ID;

an order management part configured to receive, from a downstream trader to whom the intermediary trader sells the product, an order of the product to the intermediary trader together with input of the product ID, a downstream trader ID of the downstream trader, and an order quantity of the product; and

a slip issuance processing part configured to:

issue an order slip from the downstream trader to the intermediary trader on the basis of the order quantity received by the order management part and the second sales price, and

issue an order slip from the intermediary trader to the upstream trader on the basis of the order quantity received by the order management part and the first sales price automatically.

[Claim 2]

The transaction management system according to claim 1, wherein the slip issuance processing part issues:

a bill slip or a delivery slip from the upstream trader to the intermediary trader on the basis of the order quantity and the first sales price used to issue the order slip from the intermediary trader to the upstream trader, and

a bill slip or a delivery slip from the intermediary trader to the downstream trader on the basis of the order quantity and the second sales price used to issue the order slip from the downstream trader to the intermediary trader.

[Claim 3]

The transaction management system according to claim 1 or 2, wherein

the transaction setting information storage part stores setting for a case where a product is ordered to an intermediary trader identified with the intermediary trader ID, in association with the intermediary ID, the product ID, and the upstream trader ID, the setting indicating the necessity of further ordering from the intermediary trader to an upstream trader identified with the upstream trader ID, and the propriety of automatic ordering,

if an order of a product from the downstream trader to the intermediary trader is received, the order management part turns on an orderable flag enabling processing for the order from the downstream trader to the intermediary trader, accesses the transaction setting information storage part, and, based on the setting of the necessity of further ordering to the upstream trader and the propriety of automatic ordering, turns on an orderable flag enabling processing for the order from the intermediary trader to the upstream trader when the setting indicates that the further ordering is needed and the automatic ordering is permitted, and

the slip issuance processing part issues an order slip from the downstream trader to the intermediary trader if the order management part turns on the orderable flag enabling the processing for the order from the downstream trader to the intermediary trader, and issues an order slip from the intermediary trader to the upstream trader if the order management part turns on the orderable flag enabling the processing for the order from the intermediary trader to the upstream trader.

[Claim 4]

The transaction management system according to any of claims 1 to 3,

comprising the transaction management information storage part configured to store transaction management information on an ordered product for each transaction, the transaction management information indicating a product ID of the product, a trader ID of an orderer of the product, a trader ID of an order recipient selling the product to the orderer, a trader ID of a shipping destination to which the order recipient ships the product, an order quantity, and a product shipment status to the shipping destination, and

further comprising a distribution state management part configured to, in response to an inquiry of stock quantity of the product in a inquiry target trader designated with the trader ID, the inquiry received together with designation of the

trader ID and the product ID, access the transaction management information storage part, and calculate and present the stock quantity of the product in the inquiry target trader by subtracting the order quantity in the transaction management information in which the inquiry target trader is registered as an order recipient from the order quantity in the transaction management information in which the inquiry target trader is registered as an orderer and a shipping destination.

[Claim 5]

The transaction management system according to any of claims 1 to 4, comprising a delivery management part configured to:

in response to reception of a transaction ID and a shipment completion notice sent from a terminal of an upstream trader, determine whether an acceptance reference between traders of the transaction ID is acceptance on shipment or acceptance on delivery, and

if the acceptance reference is on shipment,

turn on a chargeable flag between the traders,

if the acceptance reference is on delivery,

register the transaction ID in a waiting list and thereafter,

thereafter stores a product receipt date if the product receipt date is sent from a terminal of the downstream trader,

periodically determine whether the product receipt date is stored for each transaction ID stored in the waiting list, and

if the product receipt date is written, turn on the chargeable flag of a transaction identified with the transaction ID between traders of acceptance on delivery,

wherein the slip issuance processing part creates slip data only for a transaction whose chargeable flag is turned on, according to a billing mode, immediately for every-transaction billing, and on a closing day for cycle billing.

[Claim 6]

The transaction management system according to claim 4 or 5, wherein when a product is shipped by any of the upstream traders to the intermediary trader or the downstream trader, the transaction management information storage part stores, as information indicating completion of the shipment in the transaction management information, the trader ID of the intermediary trader or the downstream trader to whom the product is shipped.

[Claim 7]

The transaction management system according to any one of claims 1 to 6, wherein the slip issuance processing part generates a purchase ledger or a sales ledger formed by accumulating information used for issuing the order slip.

[Claim 8]

A transaction management program causing a computer to function as:

a transaction setting information storage part configured to store an upstream trader ID from whom an intermediary trader purchases a product identified with a product ID, in association with the product ID and an intermediary trader ID of the intermediary trader,

a price storage part configured to store a first sales price being a sales price of the product by an upstream trader identified with the upstream trader ID, in association with the product ID and the upstream trader ID, and storing a second sales price being a sales price of the product by the intermediary trader, in association with the product ID and the intermediary trader ID,

an order acceptance part configured to receive, from a downstream trader to whom the intermediary trader sells the product, an order of the product to the intermediary trader together with input of the product ID, a downstream trader ID of the downstream trader, and an order quantity of the product, and

a slip issuance processing part configured to:

issue an order slip from the downstream trader to the intermediary trader on the basis of the order quantity received by the order management part and the second sales price, and

issue an order slip from the intermediary trader to the upstream trader on the basis of the order quantity received by the order management part and the first sales price automatically.