Summary

[0004] In the system described in Patent Document 1, customs clearance procedures are performed after a product is purchased, and thus, there are cases where it is determined that custom conditions have not been met ex post facto after the product has arrived at customs, for example. In this case, there is an increase in work on the customs side and this becomes a cause of delays in logistics. That is to say, in the technique described in Patent Document 1, despite the expectation that the burden on the user regarding customs clearance work will be mitigated, there is room for improvement in terms of making customs clearance processing smoother.

[0005] An object of the present invention is to make customs clearance processing smoother.

[0006] In a first aspect, the present disclosure provides a commerce system that includes an EC server that executes E-commerce between a first zone and a second economic zone for at least one product of the first economic zone via an EC site accessible by at least one user terminal; a customs clearance authentication server communicating with a customs terminal in a second economic zone and administers pre-customs clearance information; an administration server that is in communication with the customs clearance authentication server and the EC server; and a product administration server that is in communication with the administration server, wherein the administration server is configured to: receive a request for registration of the at least one product of the first economic zone from the product administration server before the EC server posts product information of the at least one product on the EC site accessible by the at least one user terminal; receive at least part of product information of the at least one product from the product administration; transmit a request for pre-customs clearance to the

customs clearance authentication server; receive pre-customs clearance information for the at least one product from the customs clearance authentication server, wherein the pre-customs clearance information includes information indicating that the pre-customs clearance has been performed for the at least one product by the customs clearance authentication server; transmit product information of the at least one product for which the pre-customs clearance has been performed to the EC server to post the product information on the EC site, wherein the customs clearance authentication server is configured to: generate and store pre-customs clearance information , in response to the

request for the pre-customs clearance made by the administration server; and transmit the generated pre-customs clearance information to the administration server; wherein the EC serveris configured to: post product information of the at least one product for which pre-customs clearance has been performed on the EC site; and accept, from the at least one user terminal, an instruction to purchase the at least one product corresponding to the product information which is transmitted to the at least one user terminal.

In a second aspect, the present disclosure provides an administration server comprising: means for receiving a request for registration of at least one product of a first economic zone from a product administration server before an EC server posts product information of at least one product on an EC site accessible by at least one user terminal; means for receiving at least part of product information of the at least one product from the product administration server; means for transmitting a request for pre-customs clearance to a customs clearance authentication server; means for receiving pre-customs clearance information for the at least one product from the customs clearance authentication server, wherein the pre-customs clearance information includes information indicating that the pre-customs clearance has been performed for the at least one product by the customs clearance authentication server; and means for transmitting product information of the at least one product for which pre-customs clearance has been performed to the EC server to post the product information on the EC site.

In a third aspect, the present disclosure provides a product administration server included in a commerce system that includes: an EC server that executes E-commerce between a first economic zone and a second economic zone for at least one product of the first economic zone via an EC site accessible by at least one user terminal; a customs clearance authentication server communicating with a customs terminal

in a second economic zone and administers pre-customs clearance information; an administration server that is in communication with the customs clearance authentication server and the EC server, the product administration server comprising: a memory that stores at least part of product information of the at least one product; and means for transmitting the at least part of product information of the at least one product to the administration server

In a fourth aspect, the present disclosure provides a program for causing a computer to: receive a request for registration of at least one product of a first economic zone from a product administration server before an EC server posts product information of at least one product on an EC site accessible by at least one user terminal; receive at least part of product information of the at least one product from the product administration server; transmit a request for pre-customs clearance to a customs clearance authentication server; receive pre-customs clearance information for the at least one product from the customs clearance authentication server, wherein the pre-customs clearance information includes information indicating that the pre-customs clearance has been performed for the at least one product by the customs clearance authentication server; and transmit product information of the at least one product for which pre-customs clearance has been performed to the EC server to post the product information on the EC site.

In a fifth aspect, the present disclosure provides a method of conducting an e-commerce by an administration server, comprising: receiving a request for registration of at least one product of a first economic zone from a product administration server before an EC server posts product information of at least one product on an EC site accessible by at least one user terminal; receiving at least part of product information of the at least one product from the product administration server; transmitting a request for pre-customs clearance to a customs

clearance authentication server; receiving pre-customs clearance information for the at least one product from the customs clearance authentication server, wherein the pre-customs clearance information includes information indicating that the pre-customs clearance has been performed for the at least one product by the customs clearance authentication server; and transmitting product information of the at least one product for which pre-customs clearance has been performed to the EC server to post the product information on the EC site.

[0007] According to the present disclosure, it is possible to make customs clearance processing smoother.

Brief Description of Drawings

[0008] FIG. 1 is a diagram showing an overview of commercial transaction system 10.

FIG. 2 is a diagram showing a functional configuration of administration server 300.

FIG. 3 is a diagram showing a functional configuration of customs clearance authentication server 400 and customs terminal 800.

FIG. 4 is a diagram showing a functional configuration of EC

CLAIMS

1. A commerce system that includes: an EC server that executes E-commerce between a first economic zone and a second economic zone for at least one product of the first economic zone via an EC site accessible by at least one user terminal; a customs clearance authentication server communicating with a customs terminal in a second economic zone and administers pre-customs clearance information; an administration server that is in communication with the customs clearance authentication server and the EC server; and a product administration server that is in communication with the administration server,

wherein the administration server is configured to:

receive a request for registration of the at least one product of the first economic zone from the product administration server before the EC server posts product information of the at least one product on the EC site accessible by the at least one user terminal;

receive at least part of product information of the at least one product from the product administration server;

transmit a request for pre-customs clearance to the customs clearance authentication server;

receive pre-customs clearance information for the at least one product from the customs clearance authentication server, wherein the pre-customs clearance information includes information indicating that the pre-customs clearance has been performed for the at least one product by the customs clearance authentication server;

transmit product information of the at least one product for which pre-customs clearance has been performed to the EC server to post the product information on the EC site,

wherein the customs clearance authentication server is configured to:

generate and store pre-customs clearance information, in response to the request for the pre-customs clearance made by the administration server; and

transmit the generated pre-customs clearance information to the administration server;

wherein the EC server is configured to:

post product information of the at least one product for which pre-customs clearance has been performed on the EC site; and

accept, from the at least one user terminal, an instruction to purchase the at least one product corresponding to the product information which is transmitted to the at least one user terminal.

2. An administration server comprising:

means for receiving a request for registration of at least one product of a first economic zone from a product administration server before an EC server posts product information of at least one product on an EC site accessible by at least one user terminal;

means for receiving at least part of product information of the at least one product from the product administration server;

means for transmitting a request for pre-customs clearance to a customs clearance authentication server;

means for receiving pre-customs clearance information for the at least one product from the customs clearance authentication server, wherein the pre-customs clearance information includes information indicating that the pre-customs clearance has been performed for the at least one product by the customs clearance authentication server; and

means for transmitting product information of the at least one product for which pre-customs clearance has been performed to the EC server to post the product information on the EC site.

3. A product administration server included in a commerce system that includes: an EC server that executes E-commerce between a first economic zone and a second economic zone for at least one product of the first economic zone via an EC site accessible by at least one user terminal; a customs clearance authentication server communicating with a customs terminal in a second economic zone and administers pre-customs clearance information; an administration server that is in communication with the customs clearance authentication server and the EC server, the product administration server comprising:

a memory that stores at least part of product information of the at least one product; and

means for transmitting the at least part of product information of the at least one product to the administration server.

4. The administration server according to claim 2, wherein:

the request of pre-customs clearance includes product information of the at least one product; and

the product information is edited into a format required by the customs clearance authentication apparatus and the edited product information is transmitted to the customs clearance authentication server.

5. The administration server according to claim 4, wherein the editing includes processing to translate a language in which the product information is described.

6. The administration server according to claim 2, wherein the administration server is further configured to:

determine whether the product information satisfies a criteria required by the customs clearance authentication server; and

request, in a case where the criteria is not satisfied, additional

information from a transmission source of the registration request.

7. The administration server according to claim 2, wherein:

the pre-customs clearance information is generated for each country, and

the EC server determines a country in which the user terminal is located and notifies the pre-customs clearance information of the determined country to the user terminal.

8. The administration server according to claim 2, further comprising:

means for receiving order information of the at least one product from the EC site, the order information including identification information of the EC server; and

means for transmitting the order information to the customs authentication server,

wherein customs clearance for a product is completed when that the identification information of the EC server included in the order information corresponding to the product which has arrived at a customs in the second economic zone is registered is confirmed.

9. The administration server according to claim 2, further comprising:

means for receiving order information of the at least one product, which includes identification information of a purchaser of the at least one product; and

means for transmitting the order information to the customs authentication server,

wherein customs clearance for a product is completed when it is confirmed that a restriction on importing products imposed to a purchaser

identified by the identification information included in the order information corresponding the product which has arrived at a customs in the second economic zone is satisfied.

10. A program for causing a computer to:

receive a request for registration of at least one product of a first economic zone from a product administration server before an EC server posts product information of at least one product on an EC site accessible by at least one user terminal;

receive at least part of product information of the at least one product from the product administration server;

transmit a request for pre-customs clearance to a customs clearance authentication server;

receive pre-customs clearance information for the at least one product from the customs clearance authentication server, wherein the pre-customs clearance information includes information indicating that the pre-customs clearance has been performed for the at least one product by the customs clearance authentication server; and

transmit product information of the at least one product for which pre-customs clearance has been performed to the EC server to post the product information on the EC site.

11. A method of conducting an e-commerce by an administration server, comprising:

receiving a request for registration of at least one product of a first economic zone from a product administration server before an EC server posts product information of at least one product on an EC site accessible by at least one user terminal;

receiving at least part of product information of the at least one product from the product administration server;

transmitting a request for pre-customs clearance to a customs clearance authentication server;

receiving pre-customs clearance information for the at least one product from the customs clearance authentication server, wherein the pre-customs clearance information includes information indicating that the pre-customs clearance has been performed for the at least one product by the customs clearance authentication server; and

transmitting product information of the at least one product for which pre-customs clearance has been performed to the EC server to post the product information on the EC site.