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(54) Titre : PROCEDE, TERMINAL ET SYSTEME DE TRAITEMENT D'ECHANGE DE DONNEES
(54) Title: DATA EXCHANGE PROCESSING METHOD, TERMINAL, AND SYSTEM

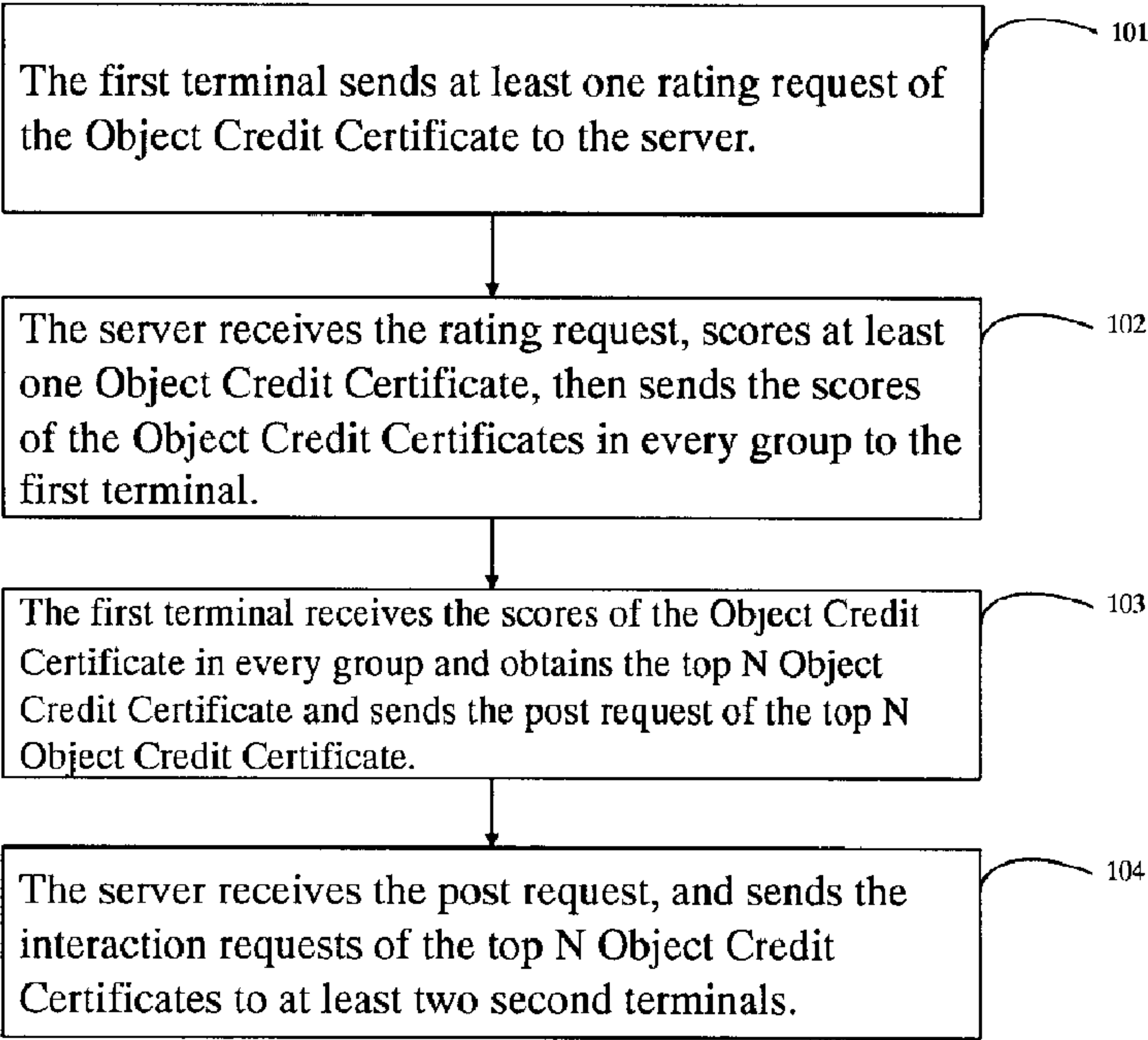


Figure 1

(57) **Abrégé/Abstract:**
Disclosed are a data exchange processing method, device, and system. The data exchange processing method comprises: a first terminal transmits to a server a request for evaluating at least one product certificate; the server receives the request, evaluates the at least one product certificate to obtain a score for each product certificate, and transmits to the first terminal the score of each group of the product certificate; the first terminal receives the score of each group of the product certificate, obtains the N product certificates having the highest scores, and transmits to the server a distribution request of the N product certificates, N being a natural number greater than 0; the server receives the distribution request, and distributes to at least two second terminals the interaction requests of the N product certificates having the highest scores. The present method enables the sales process to be more targeted and enhances the rate of successful sales.

Abstract

Disclosed are a data exchange processing method, device, and system. The data exchange processing method comprises: a first terminal transmits to a server a request for evaluating at least one product certificate; the server receives the request, evaluates the at least one product certificate to obtain a score for each product certificate, and transmits to the first terminal the score of each group of the product certificate; the first terminal receives the score of each group of the product certificate, obtains the N product certificates having the highest scores, and transmits to the server a distribution request of the N product certificates, N being a natural number greater than 0; the server receives the distribution request, and distributes to at least two second terminals the interaction requests of the N product certificates having the highest scores. The present method enables the sales process to be more targeted and enhances the rate of successful sales.

Data Exchange Processing Method, Terminal, and System

Technical Field

- [1] The present invention relates to the credit field, and in particular, to a method, terminal and system of data exchange processing.

Background Technology

- [2] With the development of Internet technology, especially mobile Internet technology, users can access to the Internet through mobile devices using 2G,3G,4G or WIFI to conduct interaction and social activities. Users can conveniently and effectively perform online activities, this is an incomparable experience with offline. But there is no effective solution about using the Internet faster to find out users' required information yet.
- [3] As an example of a data exchange processing in user's living scene of common day, when users purchase products online, they usually search keywords on the platform provided by the Internet, and screen what they would like to purchase from a large amount of search results. In this way, when the information obtained through the keyword matches the information actually required by the user is not high, the user cannot quickly and accurately obtain the required information. So that purchasing product is inefficient.

Summary of the Invention

- [4] An object of the present invention is to provide a data interaction processing method, device and system, which can increase the chances of making sales efficiently.
- [5] To solve the problem above, the first technical solution adopted by the present invention is to provide a data interaction process method, which includes the following parts:

- [6] The first terminal sends at least one rating request of the Object Credit Certificate to the server; and
- [7] The server receives the rating requests, and scores at least one of the Object Credit Certificate, and obtains every Object Credit Certificate's score, then sends the scores of the Object Credit Certificate in every group; and
- [8] The first terminal receives the scores of the Object Credit Certificates in every group and obtains the top N Object Credit Certificates, and sends the post request of these top N Object Credit Certificates. Thereinto, N is a natural number greater than zero; and
- [9] The server receives the post request and sends the interaction requests of the top N Object Credit Certificates to at least two second terminals.
- [10] To solve the problem above, the second technical solution adopted by the present invention is to provide a data interaction process method, which includes the following parts:
- [11] The server receives at least one rating request of the Object Credit Certificate from the first terminal; and
- [12] Score at least one Object Credit Certificate, then obtain the scores of Object Credit Certificates in every group; and
- [13] Send the scores of Object Credit Certificates in every group to the first terminal; and
- [14] Receive interaction requests of the top N Object Credit Certificates sent by the first terminal. Thereinto, N is a natural number greater than zero.
- [15] To solve the problem above, the third technical solution adopted by the present invention is to provide a data interaction process method, which includes the following parts:
- [16] The first terminal sends at least one rating request of the Object Credit Certificate to the server; and
- [17] Receive the scores of the Object Credit Certificates in every group from the server; and
- [18] Obtain the top N Object Credit Certificates, thereinto, N is a natural number greater than zero; and
- [19] Send the post requests of top N Object Credit Certificates to the server.
- [20] To solve the problem above, the forth technical solution adopted by the present invention is to provide a data interaction process system, which includes the first terminal, the server and the second terminal.
- [21] The first terminal is used to send at least one rating request of the Object Credit Certificate to the server; and
- [22] The server is used to receive the rating requests and score at least one of the Object Credit Certificate and obtain every Object Credit Certificate's score, then send the scores of the Object

Credit Certificates in every group to the first terminal; and

- [23] The first terminal is also used to receive the scores of the Object Credit Certificates in every group and obtain the top N Object Credit Certificates and send the post request of these top N Object Credit Certificates. Thereinto, N is a natural number greater than zero; and
- [24] The server is also used to receive the post request and send the interaction requests of the top N Object Credit Certificates to at least two second terminals.
- [25] To solve the problem above, the fifth technical solution adopted by the present invention is to provide a data interaction process device, which includes a receiving module, a scoring module and a sending module.
- [26] The receiving module is used to receive at least one rating request of the Object Credit Certificate sent by the first terminal; and
- [27] Score at least one Object Credit Certificate, then obtain the scores of Object Credit Certificates in every group; and
- [28] Send the scores of Object Credit Certificates in every group to the first terminal; and
- [29] Receive interaction requests of these top N Object Credit Certificates sent by the first terminal. Thereinto, N is a natural number greater than zero.
- [30] To solve the problem above, the sixth technical solution adopted by the present invention is to provide a data interaction process device, which includes a sending module, a receiving module and a control module,
- [31] The sending module is used to send at least one rating request of the Object Credit Certificate to the server; and
- [32] The receiving module is used to receive the scores of Object Credit Certificates in every group sent by the server; and
- [33] The control module is used to obtain the top N Object Credit Certificates, thereinto, N is a natural number greater than zero; and
- [34] The sending module is also used to send the post requests of top N Object Credit Certificates to the server.
- [35] Comparing with the current technology, as mentioned above, the first terminal sends the Object Credit Certificate to the server, it enables the server to search and rate the Object Credit Certificate, then, the first terminal can obtain the ranking list of the Object Credit Certificates directly. In this way, it can help that the first terminal has sales management to target clients more accurately and

increase the chances of making sales efficiently.

Brief Description of the Drawings

- [36] Figure 1 is a schematic flow chart of a data interaction processing method applied by the first example of the present invention;
- [37] Figure 2 is a schematic flow chart of a data interaction processing method applied by second example of the present invention;
- [38] Figure 3 is a schematic flow chart of a data interaction processing method applied by the third example of the present invention;
- [39] Figure 4 is a schematic structural diagram of a data interaction processing system applied by an example of the present invention;
- [40] Figure 5 is a schematic structural diagram of a data interaction processing device applied by the first example of the present invention;
- [41] Figure 6 is a schematic structural diagram of a data interaction processing device applied by the second example of the present invention;

Description of the Preferred Examples

- [42] Please refer to Figure 1, Figure 1 is a schematic flow chart of a data interaction processing method applied by the first example of the present invention; The data interaction processing method in this example includes the following steps:
- [43] Refer to Figure 1, Figure 1 is a schematic flow chart of a data interaction processing method applied by the first example of the present invention; The data interaction processing method in this example includes the following steps:
- [44] Step 101: the first terminal sends at least one rating request of the Object Credit Certificate to the server.
- [45] Due to a wide variety and a large amount of the Object Credit Certificates, to increase the chances of making sales, the first terminal should send at least one rating request of the Object Credit Certificate.
- [46] Step 102: the server receives the rating request, scores at least one Object Credit Certificate, then sends the scores of the Object Credit Certificates in every group to the first terminal.

- [47] Correspondingly, the server receives this rating request and makes the weight calculations based on the positive review ratio, the interaction amount, the recommendation index of every Object Credit Certificate, then the server obtains the comprehensive score of every Object Credit Certificate and sends them to the first terminal.
- [48] Step 103, the first terminal receives the scores of the Object Credit Certificate in every group and obtains the top N Object Credit Certificate and sends the post request of the top N Object Credit Certificate. Thereinto, N is a natural number greater than zero.
- [49] The first terminal receives the scores of different Object Credit Certificates, and ranks them from high to low, and obtains the top N Object Credit Certificates. The first terminal sends the interaction request of the top N Object Credit Certificates to the server. Thereinto, the first terminal sends the top N Object Credit Certificates to the server at the same time as sending the interaction request.
- [50] For example, if $N=3$, the scores of 10 Object Credit Certificates sent by the server are 67,60,65,85,80,73,98,50,89,93, the first terminal acquires that the top 3 Object Credit Certificates' scores are 98,93,89.
- [51] Step 104: the server receives the post request, and sends the interaction requests of the top N Object Credit Certificates to at least two second terminals.
- [52] The server receives the interaction request and stores the top N Object Credit Certificates and posts the interaction request of the top N Object Credit Certificates.
- [53] The second terminal receives the interaction request and sends the response notification to the server.
- [54] The server receives the response notification and sends the Object Credit Certificate according to the response notification.
- [55] In the solution above, this target data is an Object Credit Certificate or an acquisition method information of an Object Credit Certificate. This Object Credit Certificate is a kind of web-based electronic certificate integrated the target commodity/service information from the target commodity/service provider and the essential functions of electronic commerce.
- [56] Further, acquisition method information of an Object Credit Certificate is a link address of an Object Credit Certificate, an Object Credit Certificate is used to provide the target commodity/service information and the essential functions of electronic commerce. For example, when the first terminal or the second terminal(or other interaction parties) has the Object Credit Certificate of commodity/service, the link address can be clicked or selected, the certificate is opened directly and showed in the webpage, the webpage is used to provide the target

commodity/service information and the essential functions of electronic commerce, such as the introduction of target commodity/service, specifications, purchasing records, reviews and the jumpable order generation interface or the link button of payment interface etc. More preferably, all the functions of the required order generation are completed automatically when the link can be clicked. In this way, the order generation can be completed by one-click, even the order generation and payment can be completed by one-click.

- [57] The second terminal receives the Object Credit Certificate from the server and generates the order based on the Object Credit Certificate.
- [58] Give an example of data interaction method applied by the present invention. Thereinto, this first terminal is for buyers, the second terminal is for seller, the server is a server operating electronic commerce platform.
- [59] Specifically, seller sends multiple rating request of the Object Credit Certificate of commodity/service to the server. When receiving these requests, the server makes the weight calculations based on the positive review ratio, the interaction amount, the recommendation index of every Object Credit Certificate according to the target commodity/service, then obtains the comprehensive score of every Object Credit Certificate and sends them to the seller. The seller receives the scores of different Object Credit Certificates and ranks them from high to low, then obtains the top N Object Credit Certificates, and sends the ranking list to the server, at the same time, sends the promoting information of the top N Object Credit Certificates to the server. Thereinto, N is a natural number greater than zero. Correspondingly, the server posts the promoting information. When the promoting information received by the buyer, the buyer sends the response notification to the server, the Object Credit Certificate of the commodity/service is sent to the buyer. The buyer accepts this Object Credit Certificate and completes the interaction.
- [60] As mentioned above, the Object Credit Certificate is provided by the commodity/service provider (such as manufacturer of commodity) in advance and every commodity/service has a corresponding Object Credit Certificate, which includes the information related to transaction information is from provider rather than the information of the second terminal. Therefore, when the first terminal receives this Object Credit Certificate, and the functions of electronic commerce are achieved, and the order is generated according to this Object Credit Certificate. The two parties of transaction are the first terminal and the commodity/service provider respectively. When the first terminal confirms to accept the Object Credit Certificate and

generate the transaction order corresponding to the Object Credit Certificate, the payment of the commodity/service can be paid to commodity/service provider directly, the provider will make a delivery when the provider accepting this order according to the information of the first terminal. The second terminal is used to acquire the Object Credit Certificate of the commodity/service from the provider and send the Object Credit Certificate to the buyer.

- [61] Further, the target data may be the executive object configured the required functions by data provider or the read method of target data.
- [62] Give another example of data interaction method applied by the present invention. Thereinto, the first terminal is the client A, the second terminal is client B, the server is a kind of data management server. Thereinto, every client B has the stored passwords of one or multiple terminal devices. According to administrator's purview, the administrator accesses to the terminal devices using these passwords. The client A, the client B and terminal devices may be a personal computer, a tablet, a smartphone etc. which can access to the Internet and exchange data with the data management server.
- [63] When the client A sends the rating request of the Object Credit Certificate to the data management server. The data management server responds the request and scores every Object Credit Certificate and sends the scores to the client A. The client A ranks the scores and acquires the top N Object Credit Certificates and sends the interaction requests of the top N Object Credit Certificates to the data management server, thereinto, N is a natural number greater than zero. The data management server posts the interaction requests. When receiving the interaction request, the client B sends the response notification to the data management server. The data management server receives the response notification and sends the Object Credit Certificates according to the response notification to the client B. Thereinto, the server stored multiple client B's information in advance. After finding the most matched client B, the data management server sends the results of required information to the target clients, it enables the target clients to send the results of characteristic information to the client A, it also enables the client A to accept the data and obtain the data's permission or data's ownership. Thereinto, for safety of data information, the interactive data may be the data pack encrypted by administrators' passwords of terminal device C and the encryption keys for deciphering. When accepted by the client A, the data pack can be deciphered and unzipped using with the encryption keys and another encryption key encrypted by administrators' passwords of terminal device C, then the administrators' passwords of terminal device C can be obtained.

- [64] Comparing with the current technology, as mentioned above, the first terminal sends the Object Credit Certificate to the server, it enables the server to search and rate. Then, the first terminal can obtain the ranking list of the Object Credit Certificates directly. In this way, it can help the first terminal has better sales management to target clients more accurately and increase the chances of making sales efficiently.
- [65] Please refer to Figure 2, Figure 2 is a schematic flow chart of a data interaction processing method applied by second example of the present invention; The data interaction processing method in this example includes the following steps:
- [66] Step 201: the server receives at least one rating request of the Object Credit Certificate sent by the first terminal.
- [67] Due to a wide variety and a large amount of the Object Credit Certificates, to increase the chances of making sales, the first terminal should send at least one rating request of the Object Credit Certificate.
- [68] Step 202: score at least one of the Object Credit Certificate and obtain the scores of the Object Credit Certificates in every group.
- [69] Correspondingly, the server receives this rating request, and makes the weight calculations based on the positive review ratio, the interaction amount, the recommendation index of every Object Credit Certificate, then obtains the comprehensive score of every Object Credit Certificate.
- [70] Step 203: send the scores of the Object Credit Certificates in every group to the first terminal.
- [71] Step 204: receive the interaction requests of the top N Object Credit Certificates sent by the first terminal. Thereinto, N is a natural number greater than zero.
- [72] The first terminal receives the scores of different Object Credit Certificates and ranks them from high to low, then obtains the top N Object Credit Certificates. The first terminal sends the interaction request of the top N Object Credit Certificates to the server. Thereinto, the first terminal sends the top N Object Credit Certificates to the server at the same time as sending the interaction request.
- [73] For example, if $N=3$, the scores of 10 Object Credit Certificates sent by the server are 67,60,65,85,80,73,98,50,89,93, the first terminal acquires that the top 3 Object Credit Certificates' scores are 98,93,89.
- [74] Correspondingly, the server receives the interaction request and stores the top N Object Credit Certificates and posts the interaction request of the top N Object Credit Certificates.
- [75] The second terminal receives the interaction request and sends the response notification to the server.

- [76] The server receives the response notification and sends the Object Credit Certificate according to the response notification.
- [77] The second terminal receives the Object Credit Certificate sent by the server and acquires the Object Credit Certificate or its permission or its ownership.
- [78] In the solution above, this target data is an Object Credit Certificate or an acquisition method information of an Object Credit Certificate. This Object Credit Certificate is a kind of web-based electronic certificate integrated the target commodity/service information from the target commodity/service provider and the essential functions of electronic commerce.
- [79] Further, acquisition method information of an Object Credit Certificate is a link address of an Object Credit Certificate, an Object Credit Certificate is used to provide the target commodity/service information and the essential functions of electronic commerce. For example, when the first terminal or the second terminal(or other interaction parties) has the Object Credit Certificate of commodity/service, the link address can be clicked or selected, the certificate is opened directly and showed in the webpage, the webpage is used to provide the target commodity/service information and the essential functions of electronic commerce, such as the introduction of target commodity/service, specifications, purchasing records, reviews and the jumpable order generation interface or the link button of payment interface etc. More preferably, all the functions of the required order generation are completed automatically when the link can be clicked. In this way, the order generation can be completed by one-click, even the order generation and payment can be completed by one-click.
- [80] As mentioned above, the Object Credit Certificate is provided by the commodity/service provider (such as manufacturer of commodity) in advance and every commodity/service has a corresponding Object Credit Certificate, which includes the information related to transaction information is from provider rather than the information of the second terminal. Therefore, when the first terminal receives this Object Credit Certificate, and the functions of electronic commerce are achieved, and the order is generated according to this Object Credit Certificate. The two parties of transaction are the first terminal and the commodity/service provider respectively. When the first terminal confirms to accept the Object Credit Certificate and generate the transaction order corresponding to the Object Credit Certificate, the payment of the commodity/service can be paid to commodity/service provider directly, the provider will make a delivery when the provider accepting this order according to the information of the first

terminal. The second terminal is used to acquire the Object Credit Certificate of the commodity/service from the provider and send the Object Credit Certificate to the buyer.

- [81] Further, the target data may be the executive object configured the required functions by data provider or the read method of target data.
- [82] Comparing with the current technology, as mentioned above, the first terminal sends the Object Credit Certificate to the server, it enables the server to search and rate. Then, the first terminal can obtain the ranking list of the Object Credit Certificates directly. In this way, it can help the first terminal has sales management to target clients more accurately and increase the chances of making sales efficiently.
- [83] Please refer to Figure 3, Figure 3 is a schematic flow chart of a data interaction processing method applied by the third example of the present invention; the data interaction processing method in this example includes the following steps:
- [84] Step 301: the first terminal sends at least one rating request of the Object Credit Certificate to the server.
- [85] Due to a wide variety and a large amount of the Object Credit Certificates, to increase the chances of making sales, the first terminal should send at least one rating request of the Object Credit Certificate.
- [86] Step 302: receive the scores of the Object Credit Certificate in every group.
- [87] The server receives this rating request sent by the first terminal and makes the weight calculations based on the positive review ratio, the interaction amount, the recommendation index of every Object Credit Certificate, then obtains the comprehensive score of every Object Credit Certificate and sends them to the first terminal.
- [88] Thereinto, the server is a server.
- [89] Correspondingly, the first terminal receives the score of the Object Credit Certificate in every group sent by the server.
- [90] Step 303: send the post request of the top N Object Credit Certificate to the server.
- [91] The first terminal receives the scores of different Object Credit Certificates, and ranks them from high to low, obtains the top N Object Credit Certificates. For example, if N=3, the scores of 10 Object Credit Certificates sent by the server are 67,60,65,85,80,73,98,50,89,93, the first terminal acquires that the top 3 Object Credit Certificates' scores are 98,93,89.
- [92] Step 304: the server posts the interaction request of the top N Object Credit Certificates.

- [93] Thereinto, the first terminal sends the interaction request of the top N Object Credit Certificates to the server. Thereinto, the first terminal sends the top N Object Credit Certificates to the server at the same time as sending the interaction request.
- [94] Correspondingly, the server receives the interaction request, and stores the top N Object Credit Certificates, and posts the interaction request of the top N Object Credit Certificates.
- [95] The second terminal receives the interaction request and sends the response notification to the server.
- [96] The server receives the response notification and sends the Object Credit Certificate according to the response notification.
- [97] The second terminal receives the Object Credit Certificate sent by the server and acquires the Object Credit Certificate or its permission or its ownership.
- [98] In the solution above, this target data is an Object Credit Certificate or an acquisition method information of an Object Credit Certificate. This Object Credit Certificate is a kind of web-based electronic certificate integrated the target commodity/service information from the target commodity/service provider and the essential functions of electronic commerce.
- [99] Further, acquisition method information of an Object Credit Certificate is a link address of an Object Credit Certificate, an Object Credit Certificate is used to provide the target commodity/service information and the essential functions of electronic commerce. For example, when the first terminal or the second terminal(or other interaction parties) has the Object Credit Certificate of commodity/service, the link address can be clicked or selected, the certificate is opened directly and showed in the webpage, the webpage is used to provide the target commodity/service information and the essential functions of electronic commerce, such as the introduction of target commodity/service, specifications, purchasing records, reviews and the jumpable order generation interface or the link button of payment interface etc. More preferably, all the functions of the required order generation are completed automatically when the link can be clicked. In this way, the order generation can be completed by one-click, even the order generation and payment can be completed by one-click.
- [100] As mentioned above, the Object Credit Certificate is provided by the commodity/service provider (such as manufacturer of commodity) in advance and every commodity/service has a corresponding Object Credit Certificate, which includes the information related to transaction information is from provider rather than the information of the second terminal. Therefore, when the first terminal receives this Object Credit Certificate, and the functions of electronic

commerce are achieved, and the order is generated according to this Object Credit Certificate. The two parties of transaction are the first terminal and the commodity/service provider respectively. When the first terminal confirms to accept the Object Credit Certificate and generate the transaction order corresponding to the Object Credit Certificate, the payment of the commodity/service can be paid to commodity/service provider directly, the provider will make a delivery when the provider accepting this order according to the information of the first terminal. The second terminal is used to acquire the Object Credit Certificate of the commodity/service from the provider and send the Object Credit Certificate to the buyer.

[101] Further, the target data may be the executive object configured the required functions by data provider or the read method of target data.

[102] Comparing with the current technology, as mentioned above, the first terminal sends the Object Credit Certificate to the server, it enables the server to search and rate. Then, the first terminal can obtain the ranking list of the Object Credit Certificates directly. In this way, it can help the first terminal has sales management to target clients more accurately and increase the chances of making sales efficiently.

[103] Please refer to Figure 4, Figure 4 is a schematic structural diagram of a data interaction processing system applied by an example of the present invention; The data interaction processing device in this example includes the first terminal 401, the server 402 and the second terminal 403,

[104] The first terminal 401 is used to send at least one rating request of the Object Credit Certificate to the server.

[105] Due to a wide variety and a large amount of the Object Credit Certificates, to increase the chances of making sales, the first terminal 401 should send at least one rating request of the Object Credit Certificate to the server 402.

[106] The server 402 is used to receive the rating request, score at least one Object Credit Certificate, then sends the scores of the Object Credit Certificates in every group to the first terminal 401.

[107] Correspondingly, the server 402 receives this rating request, and makes the weight calculations based on the positive review ratio, the interaction amount, the recommendation index of every Object Credit Certificate, then obtains the comprehensive score of every Object Credit Certificate and sends them to the first terminal 401.

[108] The first terminal 401 is also used to receive the scores of the Object Credit Certificate in every group and obtain the top N Object Credit Certificates and send the post request of the top N Object

Credit Certificate. Thereinto, N is a natural number greater than zero.

- [109] The first terminal 401 receives the scores of different Object Credit Certificates, and ranks them from high to low, obtains the top N Object Credit Certificates. The first terminal 401 sends the interaction request of the top N Object Credit Certificates to the server 402. Thereinto, the first terminal 401 sends the top N Object Credit Certificates to the server 402 at the same time as sending the interaction request.
- [110] For example, if N=3, the scores of 10 Object Credit Certificates sent by the server are 67,60,65,85,80,73,98,50,89,93, the first terminal 401 acquires that the top 3 Object Credit Certificates' scores are 98,93,89.
- [111] The server 402 is also used to receive the post request, and send the interaction requests of the top N Object Credit Certificates to at least two second terminals 403.
- [112] The server 402 receives the interaction request and stores the top N Object Credit Certificates, and posts the interaction request of the top N Object Credit Certificates.
- [113] The second terminal 403 receives the interaction request and sends the response notification to the Server 402.
- [114] The server 402 receives the response notification and sends the Object Credit Certificate according to the response notification.
- [115] The second terminal 403 receives the Object Credit Certificates sent by the server 402.
- [116] In the solution above, this target data is an Object Credit Certificate or an acquisition method information of an Object Credit Certificate. This Object Credit Certificate is a kind of web-based electronic certificate integrated the target commodity/service information from the target commodity/service provider and the essential functions of electronic commerce.
- [117] Comparing with the current technology, as mentioned above, the first terminal sends the Object Credit Certificate to the server, it enables the server to search and rate. Then, the first terminal can obtain the ranking list of the Object Credit Certificates directly. In this way, it can help the first terminal has sales management to target clients more accurately and increase the chances of making sales efficiently.
- [118] Please refer to Figure 5, Figure 5 is a schematic structural diagram of a data interaction processing device applied by the first example of the present invention.
- [119] The data interaction processing device in this example includes a receiving module 501, a rating module 502 and a sending module 503.

- [120] The receiving module 501 is used to receive at least one rating request of the Object Credit Certificate sent by the first terminal.
- [121] Due to a wide variety and a large amount of the Object Credit Certificates, to increase the chances of making sales, the first terminal should send at least one rating request of the Object Credit Certificate.
- [122] The rating module 502 is used to score at least one of the Object Credit Certificate and obtain the scores of the Object Credit Certificates in every group.
- [123] The rating module 502 receives this rating request from the receiving module 501 and makes the weight calculations based on the positive review ratio, the interaction amount, the recommendation index of every Object Credit Certificate, then obtains the comprehensive score of every Object Credit Certificate.
- [124] The sending module 503 is used to send the scores of the Object Credit Certificates in every group to the first terminal.
- [125] The receiving module 501 is also used to receive the interaction requests of the top N Object Credit Certificates sent by the first terminal. Thereinto, N is a natural number greater than zero.
- [126] The first terminal receives the scores of different Object Credit Certificates and ranks them from high to low, then obtains the top N Object Credit Certificates. The first terminal sends the interaction request of the top N Object Credit Certificates to the data interaction processing device.
- [127] Thereinto, the first terminal sends the top N Object Credit Certificates to the data interaction processing device at the same time as sending the interaction request.
- [128] Correspondingly, the receiving module 501 receives the interaction request, and stores the top N Object Credit Certificates, and posts the interaction request of the top N Object Credit Certificates.
- [129] The second terminal receives the interaction request and sends the response notification to the data interaction processing device.
- [130] The receiving module 501 receives the response notification, and the sending module 503 sends the Object Credit Certificate according to the response notification to the second terminal.
- [131] In the solution above, this target data is an Object Credit Certificate or an acquisition method information of an Object Credit Certificate. This Object Credit Certificate is a kind of web-based electronic certificate integrated the target commodity/service information from the target commodity/service provider and the essential functions of electronic commerce.
- [132] Further, acquisition method information of an Object Credit Certificate is a link address of an

Object Credit Certificate, an Object Credit Certificate is used to provide the target commodity/service information and the essential functions of electronic commerce. For example, when the first terminal or the second terminal (or other interaction parties) has the Object Credit Certificate of commodity/service, the link address can be clicked or selected, the certificate is opened directly and showed in the webpage, the webpage is used to provide the target commodity/service information and the essential functions of electronic commerce, such as the introduction of target commodity/service, specifications, purchasing records, reviews and the jumpable order generation interface or the link button of payment interface etc. More preferably, all the functions of the required order generation are completed automatically when the link can be clicked. In this way, the order generation can be completed by one-click, even the order generation and payment can be completed by one-click.

[133] As mentioned above, the Object Credit Certificate is provided by the commodity/service provider (such as manufacturer of commodity) in advance and every commodity/service has a corresponding Object Credit Certificate, which includes the information related to transaction information is from provider rather than the information of the second terminal. Therefore, when the first terminal receives this Object Credit Certificate, and the functions of electronic commerce are achieved, and the order is generated according to this Object Credit Certificate. The two parties of transaction are the first terminal and the commodity/service provider respectively. When the first terminal confirms to accept the Object Credit Certificate and generate the transaction order corresponding to the Object Credit Certificate, the payment of the commodity/service can be paid to commodity/service provider directly, the provider will make a delivery when the provider accepting this order according to the information of the first terminal. The second terminal is used to acquire the Object Credit Certificate of the commodity/service from the provider and send the Object Credit Certificate to the buyer.

[134] Further, the target data may be the executive object configured the required functions by data provider or the read method of target data.

[135] Comparing with the current technology, as mentioned above, the first terminal sends the Object Credit Certificate to the server, it enables the server to search and rate. Then, the first terminal can obtain the ranking list of the Object Credit Certificates directly. In this way, it can help the first terminal has sales management to target clients more accurately and increase the chances of making sales efficiently.

- [136] Please refer to Figure 6, Figure 6 is a schematic structural diagram of a data interaction processing device applied by the second example of the present invention; the device of data exchange processing includes a sending module 601, a receiving module 602 and the control module 603.
- [137] The sending module 601 is used to send at least one rating request of the Object Credit Certificate to the server.
- [138] Due to a wide variety and a large amount of the Object Credit Certificates, to increase the chances of making sales, the sending module 601 should send at least one rating request of the Object Credit Certificate.
- [139] The receiving module 602 is used to receive the scores of the Object Credit Certificate in every group.
- [140] The server receives this rating request sent by the sending module 601 and makes the weight calculations based on the positive review ratio, the interaction amount, the recommendation index of every Object Credit Certificate, then the server obtains the comprehensive score of every Object Credit Certificate and sends them to data interaction processing device.
- [141] Thereinto, the server is a server.
- [142] Correspondingly, the receiving module 602 receives the score of the Object Credit Certificate in every group sent by the server.
- [143] The control module 603 is used to receive the top N of the Object Credit Certificate. Thereinto, N is a natural number greater than zero.
- [144] The sending module 601 is also used to send the post request of the top N Object Credit Certificate to the server.
- [145] Thereinto, the sending module 601 sends the top N Object Credit Certificates to the server at the same time as sending the interaction request.
- [146] Correspondingly, the server receives the interaction request and stores the top N Object Credit Certificates, and posts the interaction request of the top N Object Credit Certificates.
- [147] The second terminal receives the interaction request and sends the response notification to the server.
- [148] The server receives the response notification, and sends the Object Credit Certificate according to the response notification.
- [149] The second terminal receives the Object Credit Certificate sent by the server and acquires the Object Credit Certificate or its permission or its ownership.

- [150] In the solution above, this target data is an Object Credit Certificate or an acquisition method information of an Object Credit Certificate. This Object Credit Certificate is a kind of web-based electronic certificate integrated the target commodity/service information from the target commodity/service provider and the essential functions of electronic commerce.
- [151] Further, acquisition method information of an Object Credit Certificate is a link address of an Object Credit Certificate, an Object Credit Certificate is used to provide the target commodity/service information and the essential functions of electronic commerce. For example, when the first terminal or the second terminal (or other interaction parties) has the Object Credit Certificate of commodity/service, the link address can be clicked or selected, the certificate is opened directly and showed in the webpage, the webpage is used to provide the target commodity/service information and the essential functions of electronic commerce, such as the introduction of target commodity/service, specifications, purchasing records, reviews and the jumpable order generation interface or the link button of payment interface etc. More preferably, all the functions of the required order generation are completed automatically when the link can be clicked. In this way, the order generation can be completed by one-click, even the order generation and payment can be completed by one-click.
- [152] As mentioned above, the Object Credit Certificate is provided by the commodity/service provider (such as manufacturer of commodity) in advance and every commodity/service has a corresponding Object Credit Certificate, which includes the information related to transaction information is from provider rather than the information of the second terminal. Therefore, when the first terminal receives this Object Credit Certificate, and the functions of electronic commerce are achieved, and the order is generated according to this Object Credit Certificate. The two parties of transaction are the first terminal and the commodity/service provider respectively. When the first terminal confirms to accept the Object Credit Certificate and generate the transaction order corresponding to the Object Credit Certificate, the payment of the commodity/service can be paid to commodity/service provider directly, the provider will make a delivery when the provider accepting this order according to the information of the first terminal. The second terminal is used to acquire the Object Credit Certificate of the commodity/service from the provider and send the Object Credit Certificate to the buyer.
- [153] Further, the target data may be the executive object configured the required functions by data provider or the read method of target data.

- [154] Comparing with the current technology, as mentioned above, the first terminal sends the Object Credit Certificate to the server, it enables the server to search and rate. Then, the first terminal can obtain the ranking list of the Object Credit Certificates directly. In this way, it can help the first terminal has sales management to target clients more accurately and increase the chances of making sales efficiently.
- [155] The foregoing descriptions are merely preferred examples of the present invention but not limited to the present invention. Any modification, equivalent replacement, and improvement made within the spirit and principle of the present invention shall be included in the protection of the present invention.

The Claims

[CLAIM 1] A method of data interaction processing, characterized in the method, comprises:

The first terminal sends at least one rating request of the Object Credit Certificate to the server; and

The server receives the rating requests, and scores at least one of the Object Credit Certificate, and obtains every Object Credit Certificate's score, then sends the scores of the Object Credit Certificate in every group; and

The first terminal receives the scores of the Object Credit Certificates in every group, and obtains the top N Object Credit Certificates, and sends the post request of these top N Object Credit Certificates. Thereinto, N is a natural number greater than zero; and

The server receives the post request, and sends the interaction requests of the top N Object Credit Certificates to at least two second terminals.

[CLAIM 2] The method according to claim 1, characterized in the method, where after receiving the post request and sending the interaction requests of the top N Object Certificates to at least two second terminals, the following steps include:

The server receives the interaction request and stores the top N Object Credit Certificates and posts the interaction request of the top N Object Credit Certificates; and

The second terminal receives the interaction request and sends the response notification to the server; and

The server receives the response notification and sends the Object Credit Certificate according to the response notification.

[CLAIM 3] The method according to claim 1, characterized in the method, where after the server receiving the rating request and scoring at least one Object Credit Certificate and sending the scores of the Object Credit Certificates in every group to the first terminal, the following steps include:

the server receives this rating request and makes the weight calculations based on the positive review ratio, the interaction amount, the recommendation index of every Object Credit Certificate, then the server obtains the comprehensive score of every Object Credit

Certificate and sends them to the first terminal.

[CLAIM 4] The method according to claim 2, characterized in the method, where after the second terminal receiving the Object Credit Certificate, the step includes:

The second terminal receives the Object Credit Certificate from the server and generates the order based on the Object Credit Certificate.

[CLAIM 5] A method of data interaction processing, characterized in the method, comprises:

The server receives at least one rating request of the Object Credit Certificate from the first terminal; and

Score at least one Object Credit Certificate, then obtain the scores of Object Credit Certificates in every group; and

Send the scores of Object Credit Certificates in every group to the first terminal; and

Receive interaction requests of the top N Object Credit Certificates sent by the first terminal.

Thereinto, N is a natural number greater than zero.

[CLAIM 6] A method of data interaction processing, characterized in the method, comprises:

The first terminal sends at least one rating request of the Object Credit Certificate to the server; and

Receive the scores of the Object Credit Certificates in every group from the server; and

Obtain the top N Object Credit Certificates, thereinto, N is a natural number greater than zero; and

Send the post requests of top N Object Credit Certificates to the server.

[CLAIM 7] A system of data interaction processing, characterized in the system, comprises the first terminal, the server and the second terminal.

The first terminal is used to send at least one rating request of the Object Credit Certificate to the server; and

The server is used to receive the rating requests and score at least one of the Object Credit Certificate and obtain every Object Credit Certificate's score, then send the scores of the Object Credit Certificates in every group to the first terminal; and

The first terminal is also used to receive the scores of the Object Credit Certificates in every group and obtain the top N Object Credit Certificates and send the post request of these top N Object Credit Certificates. Thereinto, N is a natural number greater than zero; and
The server is also used to receive the post request and send the interaction requests of the top N Object Credit Certificates to at least two second terminals.

[CLAIM 8] A device of data interaction processing characterized in the device, comprises a receiving module, a scoring module and a sending module.

The receiving module is used to receive at least one rating request of the Object Credit Certificate sent by the first terminal; and

Score at least one Object Credit Certificate, then obtain the scores of Object Credit Certificates in every group; and

Send the scores of Object Credit Certificates in every group to the first terminal; and

Receive interaction requests of these top N Object Credit Certificates sent by the first terminal. Thereinto, N is a natural number greater than zero.

[CLAIM 9] A device of data interaction processing characterized in the device, comprises a sending module, a receiving module and a control module.

The sending module is used to send at least one rating request of the Object Credit Certificate to the server; and

The receiving module is used to receive the scores of Object Credit Certificates in every group sent by the server; and

The control module is used to obtain the top N Object Credit Certificates, thereinto, N is a natural number greater than zero; and

The sending module is also used to send the post requests of top N Object Credit Certificates to the server.

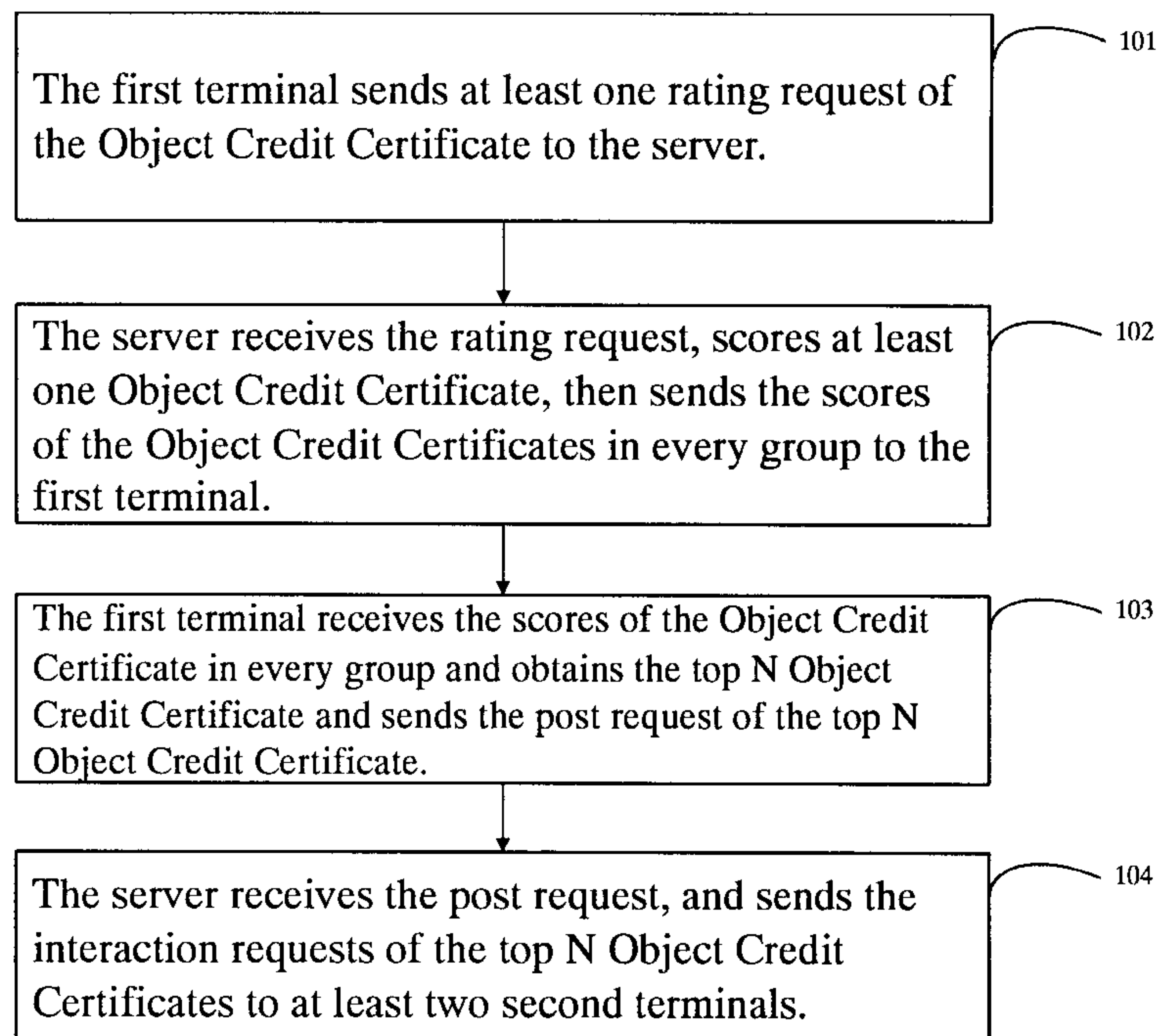


Figure 1

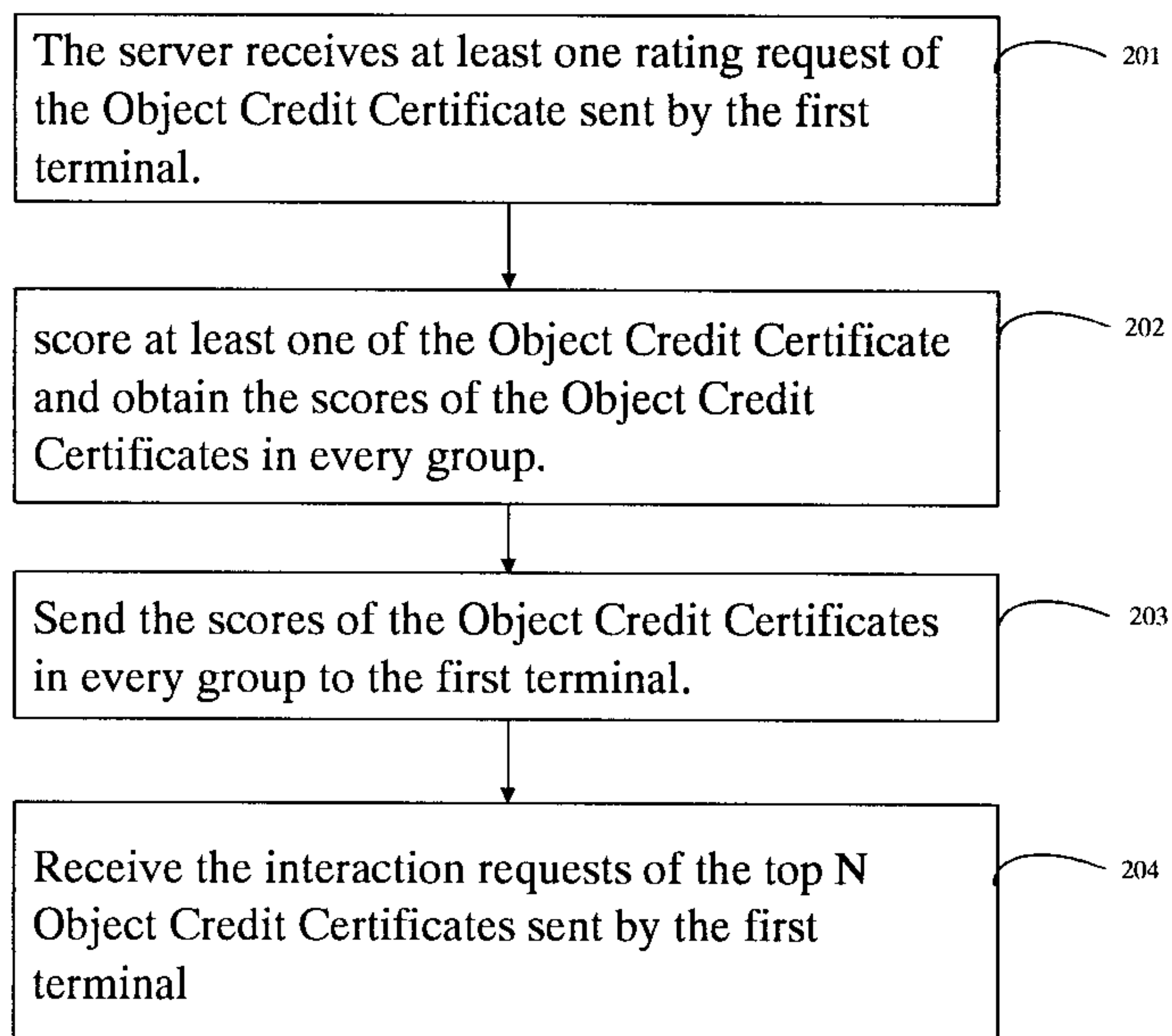


Figure 2

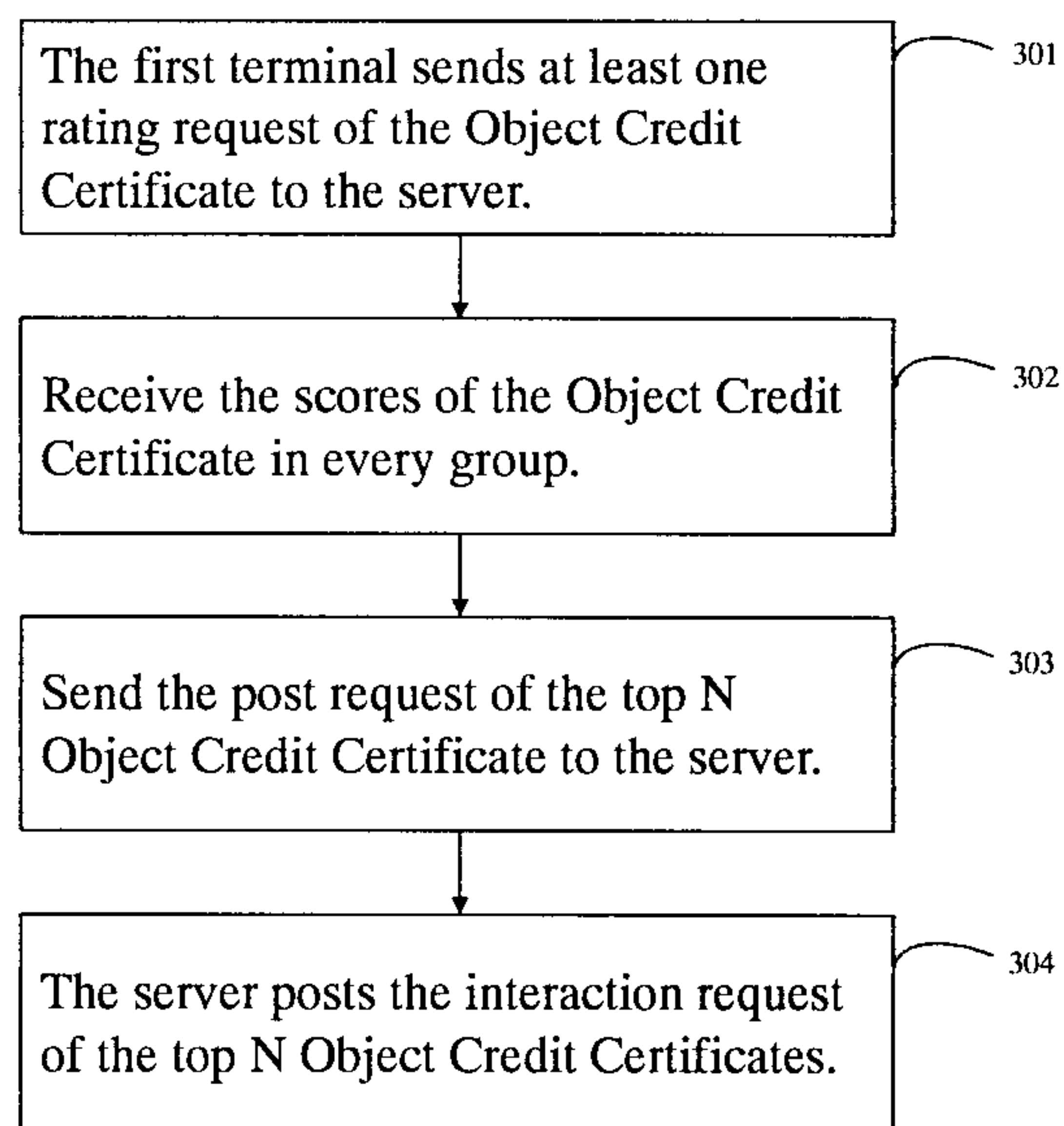


Figure 3

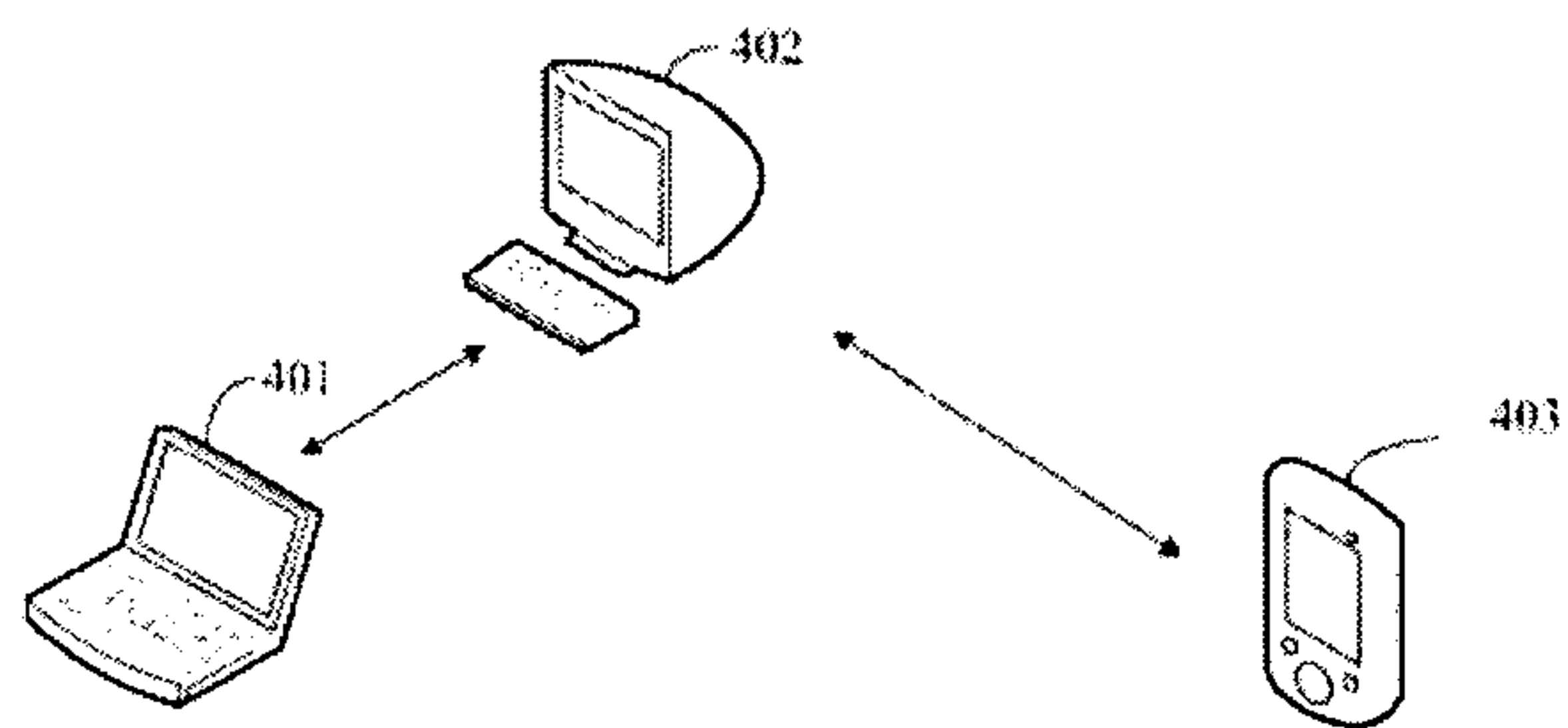


Figure 4

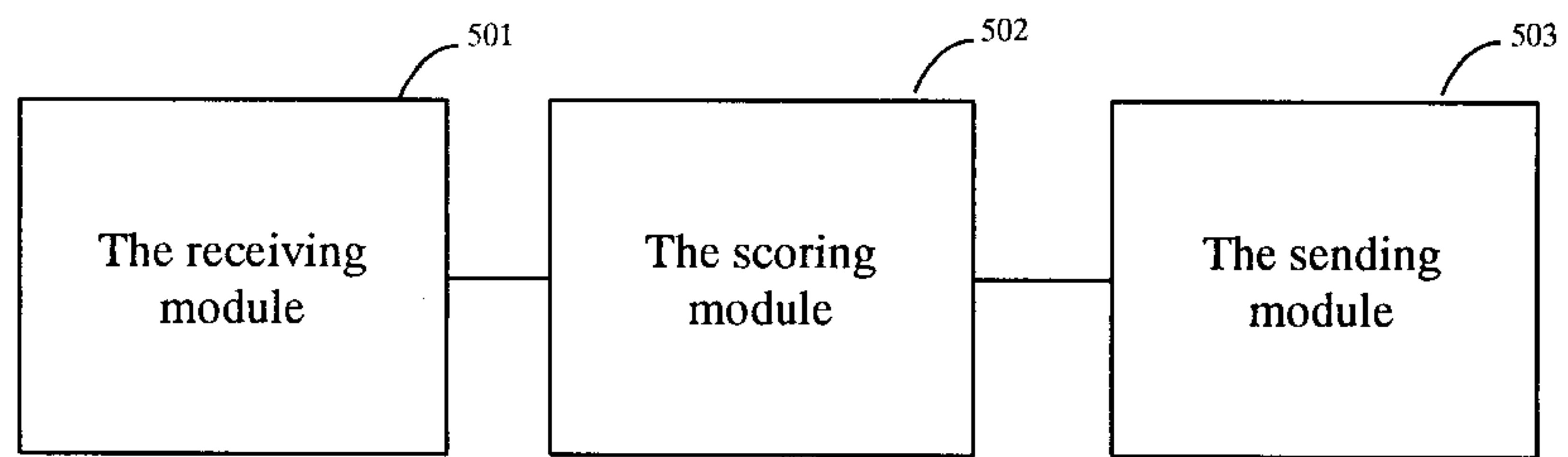


Figure 5

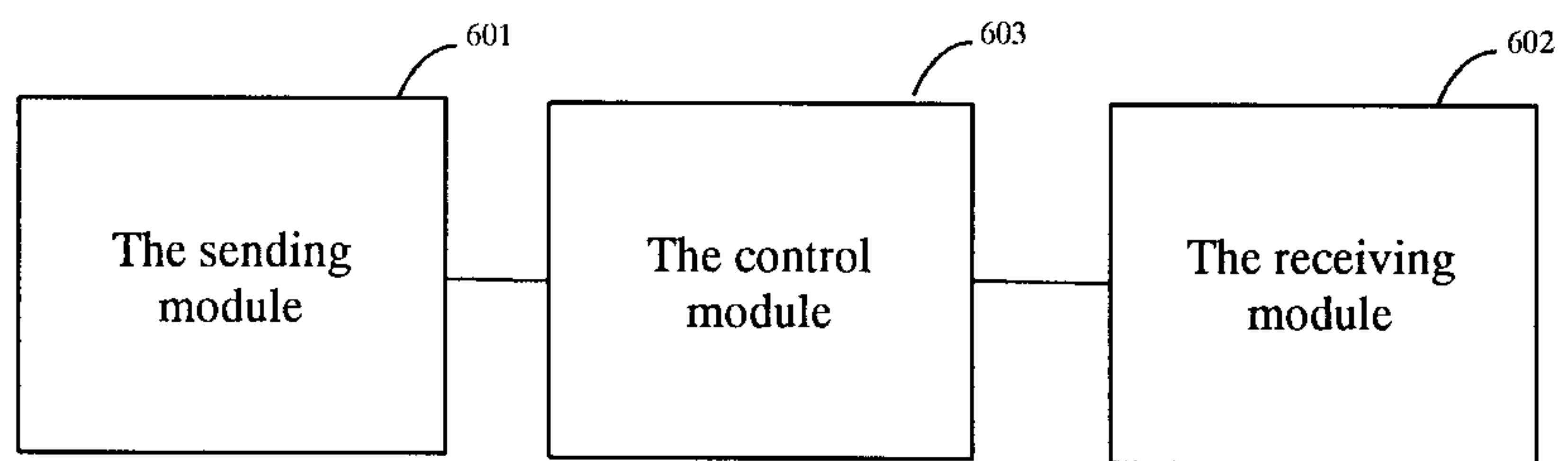
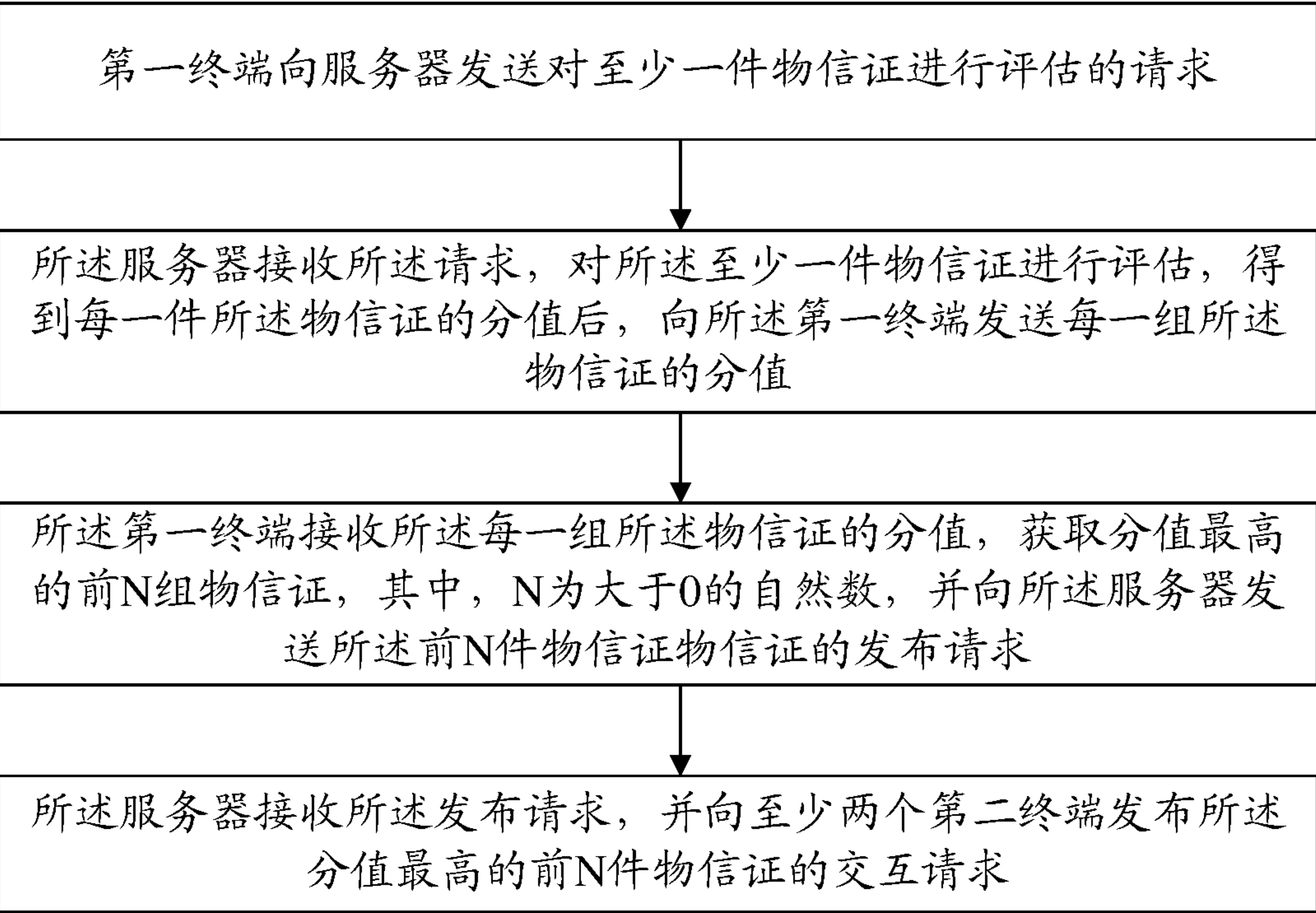


Figure 6



101 FIRST TERMINAL TRANSMITS TO SERVER REQUEST FOR EVALUATING AT LEAST ONE PRODUCT CERTIFICATE

102 SERVER RECEIVES REQUEST, EVALUATES AT LEAST ONE PRODUCT CERTIFICATE TO OBTAIN SCORE FOR EACH PRODUCT CERTIFICATE, AND TRANSMITS TO FIRST TERMINAL SCORE OF EACH GROUP OF PRODUCT CERTIFICATE

103 FIRST TERMINAL RECEIVES SCORE OF EACH GROUP OF PRODUCT CERTIFICATE, OBTAINS N PRODUCT CERTIFICATES HAVING HIGHEST SCORES, AND TRANSMITS TO SERVER DISTRIBUTION REQUEST OF N PRODUCT CERTIFICATES, N BEING NATURAL NUMBER GREATER THAN 0

104 SERVER RECEIVES DISTRIBUTION REQUEST, AND DISTRIBUTES TO AT LEAST TWO SECOND TERMINALS INTERACTION REQUESTS OF N PRODUCT CERTIFICATES HAVING HIGHEST SCORES

图 1