

Big data processing system and processing method based on block chain

Descriptions

[0001] Technical Field

[0002] The invention relates to a block chain big data system, in particular to a processing system for improving safety based big data based on a block chain.

[0003] Background Art

[0004] The block chain is a novel application mode of computer technology such as distributed data storage, point-to-point transmission, consensus mechanism, encryption algorithm, and the like.

[0005] Blockchain, which is an important concept of Bitcoin, is essentially a decentralized database.

[0006] The blockchain may be a shared database, while the nodes of each registered user may store one public, untampered data within the shared database, thereby enabling decentralized and non-tamper-proof effects. The method has important significance in the fields of finance, insurance, logistics, warehousing, bank, money and the like. However, if an illegal data or virus data entered by a registered user of a node in the shared database would threaten the security of the entire blockchain. Therefore, there is a need for a large data processing system capable of improving the security of a block chain.

[0007] Summary

[0008] The invention aims to solve the technical problem of providing a processing system capable of improving the safety of a block chain based on big data of a block chain.

[0009] The invention provides a big data processing system based on a block chain

[0010] The first block chain large database is used for storing first data input by a node;

[0011] The safety input module is used for registering second data input by the user;

[0012] The data sending module is used for sending second data to other nodes;

[0013] The data receiving module is used for receiving second data sent by other nodes;

[0014] A second blockchain big database for storing third data;

[0015] The control module is used for judging whether the second data is consistent with the first data or not, and if so, the first data in the first block chain big database is generated to generate a first link corresponding to the second data; If not, converting the second data into third data and storing the second data into a second block chain large database;

[0016] And if the first preset threshold number of the same third data is stored in the second block chain large database, converting the third data into the first data to be stored in the first block chain big database.

[0017] The invention provides a big data processing system based on a block chain

[0018] The invention provides a big data processing system based on a block chain, wherein the control module of each node determines that one of the first block chain large database or the second block chain large database of more than half of the nodes in the block chain is stored with the first link or the third data corresponding to the second data, and the data sending module of the node sends second data in a first block chain big database or a second block chain big database which is not stored with a first link or a third data corresponding to the second data.

[0019] The invention provides a big data processing system based on a block chain, wherein the control module of each node determines that one of the first block chain large database or the second block chain large database of more than half of the nodes in the block chain is stored with the first link or the third data corresponding to the second data, and the data sending module of the node sends the first link or the third data in a first block chain big database or a second block chain big database which is not stored with a first link or a third data corresponding to the second data.

[0020] The invention provides a processing system based on big data of a block chain, wherein the first link comprises at least one or more of the following:

[0021] And transmitting the node information, the sending time information and the last modification information.

[0022] The invention provides a big data processing system based on a block chain, wherein the control module generates a first preset threshold D according to the number of nodes A, the number B of first data in the first block chain large database and the number C of third data in the second block chain large database according to the following formula:

[0023] Wherein the number A, the number B, and the number C are in units;

[0024] The first preset threshold D holds an integer by one method.

[0025] The control module is used for converting the third data of the node into first data and storing the third data of the node into a first block chain big database if the quantity E is above a second preset threshold value F according to a first preset time of a node of a registered user.

[0026] The invention provides a big data processing system based on a block chain, wherein the control module is connected to a third large database, the pressing level of the pressing button when the second data is input by the registered user is stored in the third large database, and the pressing level of the pressing button is stored in the third large database, the safety input module is used for acquiring the pressing level when the second data input by the user is registered, when the number of matches of the pressing level of the registered user pressing button and the pressing level of the third large database storage

exceeds a third preset threshold value, then, the safety input module switches to the no-input state.

[0027] The invention relates to a big data processing system based on a block chain, wherein the safety input module comprises a keyboard tray, a button and a communication module, wherein the button comprises a key cap, a first rod body, a slide block, a first guide rail, a shell, a second rod body, a first spring, a microswitch, a first sliding plate, a first triangular block, a U-shaped spring, a bending plate, a second guide rail, a first electromagnet, a second electromagnet and a pressure detector; The lower surface of the key cap is fixed to the top of the first rod body, the bottom of the first rod body is fixed to the upper surface of the sliding block, and the bottom of the first rod body is fixed to the upper surface of the sliding block, the side surface of the sliding block moves up and down along the first guide rail, and the side surface of the sliding block moves up and down along the first guide rail, the first guide rail and the inner surface of the shell are fixed, and the inner surface of the first guide rail is fixed to the inner surface of the shell body, the bottom of the shell is fixed to the keyboard support, and the bottom of the shell is fixed to the keyboard support, the lower surface of the sliding block is fixed to the upper end of the second rod body, the lower end of the second rod body can be overlapped with the upper end of the microswitch, a first spring is arranged outside the microswitch and the second rod body, the upper end of the first spring is fixed to the lower surface of the sliding block, the lower end of the first spring is fixed to the lower surface of the shell, and the lower end of the first spring is fixed to the lower surface of the shell, the side surface of the sliding block away from the first guide rail is fixed to the upper end of the first sliding plate, and the upper end of the sliding block is fixed to the upper end of the first sliding plate, the first sliding plate is arranged outwards in the inner direction, and the first sliding plate is arranged outwards in the inner direction, a first triangular block is fixed to the outer surface of the first sliding plate, a pressure detector is fixed in the shell, the upper end of the pressure detector is fixed to one end of the U-shaped spring, and the other end of the U-shaped spring is fixed to one end of the bending plate near the surface of the first triangular block, the bent end of the bending plate can be clamped with the outermost end of the first triangular block, a first electromagnet is fixed to one end, close to the first triangular block, of the U-shaped spring, a second electromagnet is fixed to one end, away from the first triangular block, of the U-shaped spring;

[0028] The communication module is connected with the control module, the microswitch, the pressure detector, the power supply module of the first electromagnet and the power module of the second electromagnet;

[0029] When the control module controls the safety input module to switch to the non-input state, the control module controls the current direction of the power supply module of the first electromagnet and the power module of the second electromagnet through the communication module, so that the first electromagnet and the second electromagnet repel each other.

[0030] The invention provides a processing method of a big data processing system based on a block chain

- [0031] S100, a first block chain big database stores first data input by a node;
- [0032] S200, the second block chain big database stores third data;
- [0033] S300, the registered user logs in a registration account;
- [0034] S400, the second data input by the registered user is registered;
- [0035] S500, judging whether the second data is consistent with the first data, and if so, the first data in the first block chain big database is generated to generate a first link corresponding to the second data; If not, converting the second data into third data and storing the second data into a second block chain large database;
- [0036] S600, if a first preset threshold number of identical third data is stored in the second block chain large database, converting the third data into a first data to be stored in a first block chain big database.
- [0037] The big data processing system based on the block chain differs from the prior art in that the processing system based on the big data of the block chain carries out a machine learning function based on the second data input by each node through two block chain large databases, in one aspect, the security of the stored first data / second data is strong, and the registered user may simply store the first link with the same first data to facilitate the next reading of the first data / second data, on the other hand, the second data that is not stored is less secure, even using antivirus software may not necessarily detect whether or not it may threaten the security of an entire blockchain large database, therefore, the security is verified through multiple storage of other nodes, so that the data in the whole block chain big database is safer; Moreover, the first data in the first block chain big database is updated in real time through multiple storage of other nodes, so that the operating speed of the system can be improved better without degrading safety.
- [0038] A block chain based big data processing system of the present invention is described further below in connection with the accompanying drawings.
- [0039] Brief Description of Drawings
- [0040] FIG. 1 is a circuit connection diagram of a processing system based on large data of block chains;
- [0041] FIG. 2 is a front view of a local first motion state of the safety input module;
- [0042] FIG. 3 is a front view of a partial second motion state of the safety input module;
- [0043] FIG. 4 is a partial enlarged view of FIG. 2.
- [0044] Detailed Description
- [0045] As shown in FIGS. 1-4, referring to FIG. 1, a processing system of a block chain based big data includes at least five block chains of interconnected nodes 100, including at least five interconnected nodes 100
- [0046] A first blockchain big database 200 for storing first data entered by the node 100;

- [0047] A security input module 300 for registering second data entered by a user;
- [0048] A data transmission module 400 for transmitting second data to other nodes 100;
- [0049] A data receiving module 500 for receiving second data sent by other nodes 100;
- [0050] A second blockchain big database 600 for storing third data;
- [0051] A control module 700 for determining whether the second data is consistent with the first data, and if so, the first data in the first block chain big database 200 is generated to generate a first link corresponding to the second data; If not, converting the second data into third data and storing the second data into a second block chain big database 600;
- [0052] And if the first preset threshold number of the third data is stored in the second block chain big database 600, the third data is converted into the first data to be stored in the first block chain big database 200.
- [0053] According to the invention, the second data input by each node 100 is subjected to a machine learning function separation through two block chain large databases, in one aspect, the security of the stored first data / second data is strong, and the registered user may simply store the first link with the same first data to facilitate the next reading of the first data / second data, on the other hand, the second data that is not stored is less secure, even using antivirus software may not necessarily detect whether or not it may threaten the security of an entire blockchain large database, therefore, the security is verified through multiple storage of other nodes, so that the data in the whole block chain big database is safer; Also, the first data within the first blockchain big database 200 is updated in real time by multiple stores of other nodes, the system operating speed may be better improved without degrading safety.
- [0054] The first predetermined threshold may be 2, 3, 4, 5, 6, 7, 8, 9, 10.
- [0055] The first link can be understood as a shortcut of a first data, and the first link has the sending node information of the second data, the sending time information and the last modification information, and the registered user opens the first link directly to the first data, that is, the registered user opens the first link to open the first data; One node 100 sends a first link out of a representable: And sending the first data with the sending node information, the transmission time information and the last modification information of the second data.
- [0056] The data transmission module 400 of one node 100 is connected with the data receiving module 500 of the other nodes 100 to transmit data.
- [0057] Preferably, the control module 700 of each node 100 determines that one of the first block chain large database 200 or the second block chain large database 600 of more than half within the block chain is stored with either the first link or the third data corresponding to the second data, the data transmission module 400 of the node 100 then transmits the second data within the first blockchain big database 200 or the second blockchain big database 600 of the node 100 that is not stored with the first link or third data corresponding to the second data.

[0058] According to the method, a one-to-many transmission technology in a traditional block chain is adopted, and an extension is performed. The node 100 of the conventional block chain sends second data to each other node, while on the algorithmic check of the second data, there is a gap for the calculated force of each node 100, while more than half of the node 100 receives the second data, then the block chain is considered the second data has completed the transmission; However, where each node receives simultaneous transmissions, there may be a null period, that is, when some node 100 has not been fully verified for the second data by the algorithm, the node 100 sends data, this results in a mismatch in each data sequence, in order to reduce clutter, the second data is sent directly to the node 100 through the other nodes, the node 100 with the lower computational force in the block chain enjoys the authoritative transmission of the high computational node 100, thereby reducing the computational pressure of the low computational node 100, and also improving the safety, the operation speed and the sequential correctness of the whole block chain.

[0059] Preferably, the control module 700 of each node 100 determines that one of the first block chain large database 200 or the second block chain large database 600 of more than half within the block chain is stored with either the first link or the third data corresponding to the second data, the data transmission module 400 of the node 100 then transmits either the first link or the third data within the first blockchain big database 200 or the second blockchain big database 600 of the node 100 that is not stored with the first link or third data corresponding to the second data.

[0060] According to the method, a one-to-many transmission technology in a traditional block chain is adopted, and an extension is performed. The node 100 of the conventional block chain sends second data to each other node, while on the algorithmic check of the second data, there is a gap for the calculated force of each node 100, while more than half of the node 100 receives the second data, then the block chain is considered the second data has completed the transmission; However, where each node receives simultaneous transmissions, there may be a null period, that is, when some node 100 has not been fully verified for the second data by the algorithm, the node 100 sends data, this results in a mismatch in each data sequence, in order to reduce clutter, the first link or the third data is sent directly to the node 100 via other nodes, so that the node 100 with the lower computational force within the block chain enjoys the authoritative transmission of the high computational node 100, thereby reducing the computational pressure of the low computational node 100, while also improving the safety, operational speed and sequential correctness of the entire blockchain.

[0061] Preferably, the first link includes at least one or more of the following combinations of the second data:

[0062] And transmitting the node information, the sending time information and the last modification information.

[0063] In the invention, opening the first link by the registered user can directly jump to the first data, that is, the registered user opens the first link to open the first data; One node 100 sends a first link out of a representable: And sending the first data with at least one of the

transmission node information, the transmission time information and the last modification information of the second data.

[0064] In other words, registering the first link or sending the first link by the registered user is representative of opening or sending a first data modified to send at least one of the node information, the transmission time information, and the last modification information.

[0065] Preferably, the control module 700 generates a first preset threshold D according to the number A of nodes 100, the number B of first data within the first blockchain big database 200, and the number C of third data within the second blockchain big database 600 according to the following formula:

[0066] Wherein the number A, the number B, and the number C are in units;

[0067] The first preset threshold D holds an integer by one method.

[0068] The present invention can differentially output a first preset threshold D according to a difference between the number of nodes 100, the number B of first data within the first blockchain big database 200, and the number C of third data within the second blockchain big database 600. That is, the greater the number of A, the greater the D, thereby further increasing the security of the first blockchain big database 200, further, the smaller the number B, the number C, and the greater the D, therefore, the first block chain large database 200 and the second block chain large database 600 are convenient to always have a good storage quantity balance, so that the search, reading and calling are avoided as much as the data quantity of one large database is too large, so that it is avoided that the large database is too bulky; The more the total amount of the quantity B and the quantity C is larger, the first preset threshold is larger to avoid accidental repetition after too large number, and the security of the whole block chain large database is affected.

[0069] A, b and C in the formula are natural numbers of more than 2.

[0070] Wherein the first pre-ignition threshold may be 2, 3, 4, 5, 6, 7, 8, 9, 10.

[0071] Preferably, the control module 700 stores the third data of the node 100 into the first data for storage into the first block chain big database 200 if the number E is above the second preset threshold F according to the first preset time of the node 100 of the registered user and the number E of the second data input by the security input module 300 within the first preset geographic position range.

[0072] According to the method, a node of the first data matched with the first data in the same time period and multiple times of input in the same region can be set as a trusted node, and the data input by the trust node is converted into first data which is not repeated with the first data, on the one hand, data transmission of other non-trusted nodes can be shortened, transmission efficiency is improved, and node load is reduced, on the other hand, the processing speed of the whole block chain can be increased, and the processing speed of the whole block chain can be accelerated, and the storage space of the block chain large database is not occupied more.

[0073] Preferably, the control module 700 is connected to a third large database, a pressing level of the pressing button 320 when the second data is input by the registered user is stored in the third large database, and the pressing level of the pressing button 320 is stored in the third large database, the safety input module 300 is used for acquiring the pressing level when the second data input by the user is registered, when the number of matches of the pressing level of the registered user pressing button 320 and the pressing level of the third large database storage exceeds a third preset threshold value, the matching number of the pressing level of the third large database storage exceeds a third preset threshold value, then the secure input module 300 switches to an inoperable state.

[0074] According to the control method, whether the registered user is a previous registered user or not is judged according to the force of the button pressing the keyboard according to the user habits, and the identity of the registered user is judged, so that the identity of the registered user is judged, so that the security of the block chain large database is increased, and information security in the big data of the block chain is threatened by illicit is avoided.

[0075] The non-input status of the safety input module 300 may be an automatic power-off of the safety input module 300, or the control module controls the power module of the safety input module 300 to power down, or shut off a connection with the control module 700, or to cut a connection with the first blockchain big database 200, or to sever a connection with the second blockchain big database 600.

[0076] The pressing level can be: 1, 2, 3, respectively corresponding to different pressing force intervals, and the buttons of each keyboard can respectively correspond to different pressing grades, and corresponding relations stored in the third large database can be shown in the table below:

[0077] When the number of the user pressing the button and the number of the table entries stored in the third large database exceeds a third preset threshold, the control module controls the power supply module of the safety input module 300 to be powered off, so that the safety input module 300 can not be re-logged into the second data again by the registered user, and the second data can continue to be input.

[0078] The secure input module 300 may be a conventional keyboard, mouse, touch screen, or the like.

[0079] Preferably, see FIGS. 2, 3, 4, the security input module 300 includes a keyboard tray 310, a button 320, a communication module 390, and, at least one button 320 is provided on the keyboard tray 310, the button 320 comprises a key cap 321, a first rod 322, a slider 323, a first guide rail 324, a housing 325, a second rod body 326, a first spring 327, a microswitch 328, a first slide plate 329, a first triangular block 330, a U-shaped spring 331, a bending plate 332, a second guide rail 333, a first electromagnet 334, a second electromagnet 335, and a pressure detector 336; The lower surface of the key cap 321 is fixed to the top of the first rod 322, the bottom of the first rod 322 is fixed to the upper surface of the slider 323, the side surface of the slider 323 moves up and down along the first rail 324, the first rail 324 is secured to the inner surface of the housing 325, the bottom of the housing

325 is secured to the keyboard tray 310, the lower surface of the slider 323 is fixed to the upper end of the second rod body 326, the lower end of the second rod body 326 can overlap the upper end of the microswitch 328, a first spring 327 is surrounded by the microswitch 328 and the second rod body 326, the upper end of the first spring 327 is fixed to the lower surface of the slider 323, the lower end of the first spring 327 is fixed to the lower surface of the housing 325, the side surface of the slider 323 distal from the first rail 324 is fixed to the upper end of the first slide 329, the first slide 329 is disposed radially outward, the outer surface of the first slide 329 is fixed with a first triangular block 330, the housing 325 is internally provided with a pressure detector 336, the upper end of the pressure detector 336 is fixed to one end of the U-shaped spring 331, and the other end of the U-shaped spring 331 is fixed to one end of the bending plate 332 near the surface of the first triangular block 330, the bent end of the bent plate 332 can be clamped with the outermost end of the first triangular block 330, a first electromagnet 334 is fixed to one end of the U-shaped spring 331 near the first triangular block 330, a second electromagnet 335 is fixed to one end, away from the first triangular block 330, of the U-shaped spring 331;

[0080] The communication module 390 is connected with the control module 700, the microswitch 328, the pressure detector 336, the power module of the first electromagnet 334, and the power module of the second electromagnet 335;

[0081] When the control module 700 controls the safety input module 300 to switch to the non-input state, the control module 700 controls the current direction of the power module of the first electromagnet 334 and the power module of the second electromagnet 335 through the communication module 390 to mutually repel the first electromagnet 334 and the second electromagnet 335.

[0082] By means of the safety input module 300 in the form, the control module 700 can enable the control module 700 to detect the force of the user pressing the key cap 321 when the user does not press the button completely, so that the actual habits of the user can be more accurately detected, and matching with the third large database, and detecting the identity of the registered user, also, it may also be possible to detect the identity inconsistency, or when the habitual operations differ by a large amount, by repelling the first electromagnet 334 and the second electromagnet 335, the button 320 cannot be pressed downward, that is, the second lever body 326 cannot press the microswitch 328, thereby ensuring safety of the safety input module 300.

[0083] A first groove 336 is formed in the lower surface of the housing 325, an outer surface of the first groove 336 can be fixed with the keyboard tray 310, and a first spring 327 and a microswitch 328 can also be fixed in the first groove 336, thereby reducing the volume of the entire button 320.

[0084] When the control module 700 controls the safety input module 300 to not switch to an input state, the control module 700 controls the power supply module of the first electromagnet 334 and the power supply module of the second electromagnet 335 to be powered off.

[0085] The U-shaped spring 331 moves up and down along the second rail 333 near one side of the pressure detector 336, which is fixed with the housing 325 such that movement of the second rail 333 is more regular and the error of the pressure detector 336 is smaller.

[0086] The bent end of the bending plate 332 can be clamped with the outermost end of the first triangular block 330 such that when the slider 323 moves up and down, the U-shaped spring 331 in which the bent plate 332 is located can catch the stroke of the button 320 and give out a click and click sound, thereby increasing the paragraph bar and the feedback sound of the keycap 321 to move. In addition, the pressing force of the user to the button 320 can also be detected when the bending plate 332 and the first triangular block 330 are clamped, that is, the force of the keycap 321 is pressed to measure whether the user is consistent with pre-stored user habits in the third database, if the inconsistency times exceed a preset threshold, the number of inconsistencies exceeds a preset threshold value, the full button 320 is then disabled by mutual repulsion of the first electromagnet 334 and the second electromagnet 335, that is, the button 320 cannot be pressed so that the second lever body 326 cannot be pressed to the microswitch 328.

[0087] The detection end of the pressure detector 336 is fixed to one end of the U-shaped spring 331, that is, the active end of the pressure detector 336 is fixed to one end of the U-shaped spring 331.

[0088] The microswitch 328 outputs its depressed input signal to the control module 700 by sensing the pressing of the second lever body 326, and the control module 700 determines the command button on the keyboard corresponding to the microswitch 328 according to the input signal of the micro-switch being pressed.

[0089] Where the number of buttons 320 may be 1, 2, 3, 4, 5, 6, 7, 8, 88, or 108, each button 320 may correspond to a button on a conventional keyboard, while facilitating registration of the user with the second data.

[0090] The invention provides a processing method of a processing system based on big data of a block chain:

[0091] S100, the first block chain big database 200 stores first data input by the node 100;

[0092] S200, the second block chain big database 600 stores third data;

[0093] S300, the registered user logs in a registration account;

[0094] S400, the second data input by the registered user is registered;

[0095] S500, determining whether the second data is consistent with the first data, and if so, the first data in the first block chain big database 200 is generated to generate a first link corresponding to the second data; If not, converting the second data into third data and storing the second data into a second block chain big database 600;

[0096] S600, if a first preset threshold number of third data is stored in the second block chain big database 600, converting the third data into first data to be stored in the first block chain big database 200.

[0097] Those skilled in the art will readily observe that numerous modifications and alterations of the device and method may be made while retaining the teachings of the invention.

Claim

[0001]1 A blockchain-based big data processing system comprising: a blockchain consisting of at least five interconnected nodes, the node comprising a first blockchain big database for storing first data entered by a node; A safety input module (300) for registering second data entered by the user; A data transmission module (400) for transmitting second data to other nodes (100); A data receiving module (500) for receiving second data sent by other nodes (100); A second blockchain big database (600) for storing third data; A control module (700) for determining whether the second data is consistent with the first data, and if so, the first data in the first block chain big database (200) is generated to generate a first link corresponding to the second data; If not, converting the second data into third data and storing the second data into a second block chain large database (600); And if the first preset threshold number of identical third data is stored in the second block chain large database (600), converting the third data into first data to be stored in the first block chain large database (200).

[0002]2 The processing system for blockchain-based big data of claim 1, it is characterized by being characterized by being characterized in that the: The control module (700) of each node (100) determines that one of the first block chain large database (200) or the second block chain large database (600) of more than half within the block chain is stored with a first link or third data corresponding to the second data, the data transmission module (400) of the node (100) sends second data within a first blockchain large database (200) or a second blockchain big database (600) that is not stored with a first link or third data corresponding to the second data.

[0003]3 The processing system for blockchain-based big data of claim 1, it is characterized by being characterized by being characterized in that the: The control module (700) of each node (100) determines that one of the first block chain large database (200) or the second block chain large database (600) of more than half within the block chain is stored with a first link or third data corresponding to the second data, the data transmission module (400) of the node (100) sends either the first link or the third data within the first block chain large database (200) or the second block chain large database (600) of the node (100) that is not stored with the first link or third data corresponding to the second data.

[0004]4 The processing system of claim 3, wherein the first link comprises at least one or more of: transmitting node information, sending time information, and finally modifying information.

[0005]5 The processing system for blockchain-based big data of claim 4, it is characterized by being characterized by being characterized in that the: The control module (700) generates

a first preset threshold D according to the number A of the nodes (100), the number B of first data in the first block chain large database (200), and the number C of third data in the second block chain large database (600) according to the following formula, the number A, the number B and the number C are in units; The first preset threshold D holds an integer by one method.

[0006]6 The processing system for blockchain-based big data of claim 5, it is characterized by being characterized by being characterized in that the: The control module (700) determines the quantity E of the second data, which is the same as the first data, inputted by the safety input module (300) in the first preset geographic position range according to a first preset time of a node (100) of a registered user, and the number E of the second data which is the same as the first data in the first preset geographic position range, if the number E is above the second preset threshold value F, then the control module (700) converts the third data of the node (100) into first data and is stored in the first block chain large database (200).

[0007]7 The processing system for blockchain-based big data of claim 6, it is characterized by being characterized by being characterized in that the: The control module (700) is connected with a third large database, the third large database stores the pressing level of the pressing button (320) when the second data input by the registered user is stored in the third large database, and the pressing level of the pressing button (320) is stored in the third large database, the safety input module (300) is used for acquiring the pressing level when the second data input by the user is registered, when the number of matches of the pressing level of the registered user pressing button (320) and the pressing level of the third large database storage exceeds a third preset threshold value, then, the safety input module (300) switches to the non-input state.

[0008]8 The processing system for blockchain-based big data of claim 7, the safety input module (300) is characterized in that the safety input module (300) comprises a keyboard support (310), a button (320) and a communication module(390), At least one button is arranged on the keyboard support (310)(320), The button (320) comprises a key cap (321), a first rod body (322), a slider (323), a first guide rail (324), a housing (325), a first slide plate (329), a first triangular block (330), a U-shaped spring (331), a bending plate (332), a second guide rail (333), a first electromagnet (334), a second electromagnet (335), and a pressure detector(336); The lower surface of the key cap (321) is fixed to the top of the first rod body (322), the bottom of the first rod body (322) is fixed to the upper surface of the sliding block (323), the side surface of the sliding block (323) moves up and down along the first guide rail (324), and the side surface of the sliding block (323) moves up and down along the first guide rail (324), the first guide rail (324) is fixed to the inner surface of the housing (325), the bottom of the housing (325) is fixed to the keyboard tray (310), the lower surface of the sliding block (323) is fixed to the upper end of the second rod body (326), and the lower surface of the sliding block (323) is fixed to the upper end of the second rod body

(326), the lower end of the second rod body (326) can be overlapped with the upper end of the microswitch (328), a first spring is arranged outside the microswitch (328) and the second rod body (326)(327). The upper end of the first spring (327) is fixed to the lower surface of the slider (323), the lower end of the first spring (327) is fixed to the lower surface of the housing (325), the side surface of the sliding block (323) away from the first guide rail (324) is fixed to the upper end of the first sliding plate (329), and the upper end of the sliding block (323) is fixed to the upper end of the first sliding plate (329), the first slide plate (329) is disposed radially outward, a first triangular block is fixed to the outer surface of the first sliding plate (329)(330). A pressure detector is fixed in the shell (325)(336). The upper end of the pressure detector (336) is fixed to one end of the U-shaped spring (331), and the other end of the U-shaped spring (331) is fixed to one end of the bending plate (332) near the surface of the first triangular block (330), the bent end of the bending plate (332) can be clamped with the outermost end of the first triangular block (330), a first electromagnet is fixed to one end, close to the first triangular block (330), of the U-shaped spring (331)(334). A second electromagnet is fixed to one end, away from the first triangular block (330), of the U-shaped spring (331)(335). The communication module (390) is connected with the control module (700), the microswitch (328), the pressure detector (336), the power supply module of the first electromagnet (334) and the power module of the second electromagnet (335); When the control module (700) controls the safety input module (300) to switch to the non-input state, the control module (700) controls the current direction of the power supply module of the first electromagnet (334) and the power supply module of the second electromagnet (335) through the communication module (390) so that the first electromagnet (334) and the second electromagnet (335) repel each other.

[0009]9 A method for processing a block chain based big data processing system according to claim 8, comprising the steps of: S100, storing first data input by a node (100) in a first block chain big database (200); S200, the second block chain large database (600) stores third data; S300, the registered user logs in a registration account; S400, the second data input by the registered user is registered; S500, determining whether the second data is consistent with the first data, and if so, the first data in the first block chain big database (200) is generated to generate a first link corresponding to the second data; If not, converting the second data into third data and storing the second data into a second block chain large database (600); S600, if a first preset threshold number of identical third data is stored in the second block chain large database (600), converting the third data into first data to be stored in the first block chain large database (200).