

ABSTRACT

TITLE.: POS SYSTEM WITH A HELP SEEKING FUNCTION, AND A HELP SEEKING METHOD

5 A Point of Sale (POS) system with a help seeking function includes a transaction unit, a storage unit, a money receiving unit, an anti-theft and security unit, and an anti-theft and security key. The transaction unit receives transaction information according to transaction; the storage unit is used to store the transaction information; the money receiving unit includes an opening/closing element and a receiving box, where the opening/closing element is used to
10 open or close the receiving box; the anti-theft and security unit is used to perform a switch between a first state and a second state, where in the first state, the receiving box is opened by using the opening/closing element to close the deal, and in the second state, the anti-theft and security unit generates an SOS and transmits the SOS to an external device; and the anti-theft and security key is used to switch a state of the anti-theft and security unit. A help seeking
15 method by using a POS system is also disclosed herein.

We Claim :

1. A Point of Sale (POS) system with a help seeking function, comprising:

a transaction unit, for receiving transaction information according to transaction;

5 a storage unit, coupled to the transaction unit and for storing the transaction information;

a money receiving unit, comprising an opening/closing element and a receiving box,
wherein the opening/closing element is used to open or close the receiving box;

an anti-theft and security unit, coupled to the money receiving unit and for performing a
switch between a first state and a second state; wherein in the first state, the receiving box is
10 opened by using the opening/closing element to close the deal, and in the second state, the
anti-theft and security unit generates an SOS and transmits the SOS to an external device; and

an anti-theft and security key, used to switch a state of the anti-theft and security unit.

2. The POS system with a help seeking function according to claim 1, wherein in the
second state, the receiving box is opened by using the opening/closing element, so that the
15 anti-theft and security unit generates the SOS.

3. The POS system with a help seeking function according to claim 1, wherein the
anti-theft and security key is located on the money receiving unit.

4. The POS system with a help seeking function according to claim 1, further
comprising: a display unit, for displaying the transaction information, wherein the anti-theft
20 and security key is located on the display unit.

5. The POS system with a help seeking function according to claim 4, wherein the
display unit comprises a touch area, and the anti-theft and security key is located on the touch
area.

6. The POS system with a help seeking function according to claim 1, further comprising: a transmission unit, coupled to the storage unit, located in a local end, and used to transmit the transaction information to a remote cloud mainframe or download cloud data in the cloud mainframe to the storage unit.

5 7. The POS system with a help seeking function according to claim 6, further comprising: a detection unit, used to detect whether a transmission network connecting the local end to the remote end is normal; if a detection result is normal, drive the transmission unit to transmit, according to a transmission condition, the transaction information; if the detection result is abnormal, drive, after the detection result returns to normal, the
10 transmission unit to transmit the transaction information not transmitted according to the transmission condition.

8. A help seeking method by using a Point of Sale (POS) system, comprising:

receiving transaction information according to transaction;

storing the transaction information;

15 judging whether an emergency occurs, and performing a switch between a first state and a second state according to a judgment result;

opening a receiving box to close the deal in the first state; and

generating an SOS and transmitting the SOS to an external device in the second state.

20 9. The help seeking method by using a POS system according to claim 8, wherein in the step of generating an SOS in the second state, an opening/closing element is used to open the receiving box to generate the SOS.

10. The help seeking method by using a POS system according to claim 8, further comprising: using a display unit to display the transaction information.

11. The help seeking method by using a POS system according to claim 10, wherein

after the step of using a display unit to display the transaction information, further comprising: providing a touch area on the display unit, and touching the touch area to perform a switch between the first state and the second state.

12. The help seeking method by using a POS system according to claim 10, wherein
5 after the step of judging whether an emergency occurs, further comprising: providing an anti-theft and security key on the receiving box, so as to use the anti-theft and security key to perform a switch between the first state and the second state.

13. The help seeking method by using a POS system according to claim 8, wherein after
the step of storing the transaction information, further comprising: transmitting the transaction
10 information to a remote cloud mainframe.

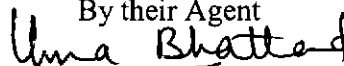
14. The help seeking method by using a POS system according to claim 13, wherein in
the step of transmitting the transaction information to a remote cloud mainframe, further
comprising: detecting whether a transmission network connected to a remote end is normal; if
a detection result is normal, transmitting the transaction information according to a
15 transmission condition; and if the detection result is abnormal, transmitting, after the detection
result returns to normal, the transaction information not transmitted according to the
transmission condition.

15. The help seeking method by using a POS system according to claim 13, wherein
after the step of transmitting the transaction information to a remote cloud mainframe, further
20 comprising: downloading cloud data in the cloud mainframe.

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FOR CHOPPA TECH CO., LTD

By their Agent



(UMA BHATTAD)

Patent Agent No.: IN/PA 1194

KRISHNA & SAURASTRI ASSOCIATES

BACKGROUND OF THE INVENTION

Technical Field

5 The present invention relates to a Point of Sale (POS) system, and in particular to a POS system with a help seeking function, and a help seeking method.

Related Art

At present, a POS system is widely applied in many application scenarios; for example, commercial scenarios such as convenience stores, department stores, or supermarkets, in
10 which goods of various kinds need to be sold in bulk, and where warehousing control and management of the goods needs to be performed.

With the change of consumption patterns, business hours of the places such as the convenience stores, the department stores, or the supermarkets have become longer and longer, and some are even open 24 hours a day. During late night business, the company is
15 vulnerable to dangers such as robberies, due to the lack of staff present. However, when staff encounter dangers such as robbery, they generally first give the robber the revenue collected in the POS system at the day, and then start a security mechanism unknown to the robber, or call the police after the robber leaves. However, if the robber finds that the staff
20 have started a security mechanism, the staff may face of immediate danger, so this security device has an undesirable precaution effect. To solve the problem, the store owners reserve a part of money in the POS system during night business, so as to reduce loss when dangers such as robberies occur.

SUMMARY

In view of the foregoing problem, the present invention provides a POS system with a

help seeking function, and a help seeking method, so that staff can immediately start a security mechanism in a POS system when encountering dangers such as robberies, so as to solve the problem in the prior art that the staff are in face of immediate life danger or body risk when the robber discovers them starting a security mechanism.

5 An embodiment of the present invention provides a POS system with a help seeking function, where the POS system includes a transaction unit, a storage unit, a money receiving unit, an anti-theft and security unit, and an anti-theft and security key. The transaction unit receives transaction information according to transaction; the storage unit is coupled to the transaction unit and stores the transaction information; the money receiving unit includes an
10 opening/closing element and a receiving box, where the opening/closing element is used to open or close the receiving box; the anti-theft and security unit is coupled to the money receiving unit and performs a switch between a first state and a second state, where in the first state, the receiving box is opened by using the opening/closing element to close the deal, and in the second state, the anti-theft and security unit generates an SOS and then transmits the
15 SOS to an external device; and the anti-theft and security key is used to switch a state of the anti-theft and security unit.

Another embodiment of the present invention provides a help seeking method by using a POS system, where the method includes: receiving transaction information according to transaction; storing the transaction information; judging whether an emergency occurs, and
20 performing a switch between a first state and a second state according to a judgment result; opening a receiving box to close the deal in a first state; and generating an SOS and transmitting the SOS to an external device in a second state.

The efficacy of the embodiments of the present invention lies in that, an anti-theft and security unit and an anti-theft and security key are set in a POS system; in a normal case (no
25 emergency occurs), the staff can open a receiving box according to transaction information to close the deal, while in an emergency case such as robbery, the staff can normally perform operations (for example, opening the receiving box), related to the POS system to generate an

SOS, so that security guards or the policemen are immediately informed and immediately come to subdue the criminal, thereby effectively reducing loss from dangers such as robbery, and avoiding staff being attacked by the criminal when seeking outside help.

The detailed features and advantages of the present invention are described below in great detail through the following embodiments, the content of the detailed description is sufficient for persons skilled in the art to understand the technical content of the present invention and to implement the present invention there accordingly. Based upon the content of the specification, the claims, and the drawings, persons skilled in the art can easily understand the relevant objectives and advantages of the present invention.

BRIEF DESCRIPTION OF THE DRAWINGS

The disclosure will become more fully understood from the detailed description given herein below for illustration only, and thus not limitative of the present invention, wherein:

FIG. 1 is a schematic block diagram of a first embodiment according to the present invention;

FIG. 2 is a schematic outside view (1) of the first embodiment according to the present invention;

FIG. 3 is a schematic outside view (2) of the first embodiment according to the present invention;

FIG. 4 is a schematic outside view (3) of the first embodiment according to the present invention;

FIG. 5 is a schematic outside view (4) of the first embodiment according to the present invention;

FIG. 6 is a schematic block diagram of a second embodiment according to the present invention; and

FIG. 7 is a flowchart of a help seeking method by using a POS system according to the present invention.

DETAILED DESCRIPTION

FIG. 1 is a schematic block diagram of a POS system with a help seeking function according to a first embodiment of the present invention; and FIG. 2 is a schematic outside view of the POS system with a help seeking function according to the first embodiment of the present invention.

As shown in FIG. 1 and FIG. 2, a POS system 1 of this embodiment includes a transaction unit 2, a storage unit 3, a money receiving unit 4, an anti-theft and security unit 5, and an anti-theft and security key 51.

The transaction unit 2 receives transaction information according to the transaction. The transaction unit 2 may be, for example, a bar code reader or a card reader, which may be used to read a bard code of a commodity to obtain commodity information, for example, relevant transaction information such as a commodity name, commodity price, or a promotion message; or may be used to read transaction information of a credit card, a financial card, or cards for transaction.

The storage unit 3 is coupled to the transaction unit 2, and may be, for example, a non-volatile memory such as a Hard Disk Drive (HDD) or a Solid State Drive (SSD), for storing the transaction information such as a commodity name, commodity price, commodity quantity, a promotion message, transaction content of each transaction, or other information.

The money receiving unit 4 is mainly formed by an opening/closing element 41 and a receiving box 42, where the opening/closing element 41 is used to open or close the receiving box 42, and the receiving box 42 is used to receive money such as banknotes and coins, or other transaction information files. In some embodiments, the money receiving unit 4 may be coupled to the transaction unit 2 or the storage unit 3, or coupled to a mainframe disposed with the transaction unit 2 and the storage unit 3, or coupled to an independent component

independent from the mainframe. Here, the opening/closing element 41 may be in a form of a button, and used to open or close the receiving box 42 by pressing; or may be in a form of a latch tool with a keyhole, so that the user uses a corresponding key to insert into the opening/closing element 41 to open or close the receiving box 42.

5 The anti-theft and security unit 5 is coupled to the money receiving unit 4, and may perform a switch between a first state and a second state. When the anti-theft and security unit 5 is in the first state, the case belongs to a normal state, and the staff can press, according to the transaction information, the opening/closing element 41 to open the receiving box 42, so as to place banknotes and coins paid by the consumers into the receiving box 42, and close
10 the receiving box 42 after completion to close the deal. When the anti-theft and security unit 5 is in the second state, the case belongs to an emergency state, and it indicates that emergencies such as robbery occur. The anti-theft and security unit 5 may generate an SOS and transmit the SOS to a remote external device 9 such as a security mainframe of a security corporation, an alarm system of the police station, or a mobile communication device (for
15 example, a mobile phone or a tablet), of relevant personnel, so as to immediately inform relevant persons such as security guards or the police, calling them to the site to deal with the emergency.

 The anti-theft and security key 51 is coupled to the anti-theft and security unit 5, and used to switch the state of the anti-theft and security unit 5, for example, switch the first state into
20 the second state, or switch the second state into the first state. In some embodiments, the anti-theft and security unit 5 is preset to be the first state, and when encountering an emergency, the staff presses the anti-theft and security key 51 to switch the state of the anti-theft and security unit 5 into the second state.

 In some embodiments, when the anti-theft and security unit 5 is in the second state, the
25 anti-theft and security unit 5 does not immediately generate an SOS but generate an SOS merely when the receiving box 42 is opened, so as to avoid the state of anti-theft and security unit 5 switching into the second state when the anti-theft and security key 51 is touched by

mistake, thereby avoiding giving an alarm by mistake. In other words, when encountering an emergency, the staff presses the anti-theft and security key 51 to switch the state of the anti-theft and security unit 5 into the second state, and when the criminal forces the staff to open the receiving box 42 and desires to rob the property, since the anti-theft and security unit 5 is in the second state, the anti-theft and security unit 5 immediately generates an SOS and transmits the SOS to a remote external device 9 when the receiving box 42 is opened. When the anti-theft and security key 51 are merely touched by mistake, the staff re-presses the anti-theft and security key 51 and switches the state of the anti-theft and security unit 5 back to the first state, which can avoid giving the alarm by mistake.

In some embodiments, the foregoing units are located in a local end. A software element, a hardware element, or a combination thereof may be used for implementation, or the elements are integrated into one element. For example, the anti-theft and security unit 5 may be formed by a communication protocol in cooperation with an I/O hardware module, or is stored in the storage unit 3 in a procedure form, so as to implement the foregoing functions.

As shown in FIG. 2, in some embodiments, the transaction information may be displayed on a display unit 6; moreover, the display unit 6 may be a touch screen, and a specific touch area in a display area of the display unit is used as the anti-theft and security key 51. For example, a lower right corner or a lower left corner of the touch area of the display unit 6 is used as the anti-theft and security key 51, and the state of the anti-theft and security unit 5 can be switched when the staff touches the touch area serving as the anti-theft and security key 51.

As shown in FIG. 3, in some embodiments, the anti-theft and security key 51 may be disposed on the display unit 6, for example, disposed at a corner of a frame of the display unit 6.

As shown in FIG. 4, in some embodiments, the anti-theft and security key 51 may be disposed on the money receiving unit 4, for example, disposed at a corner of the receiving box 42.

As shown in FIG. 5, in some embodiments, the anti-theft and security key 51 and the opening/closing element 41 in a form of a latch tool with a keyhole are integrally formed. When a non-corresponding key is used to insert into the keyhole to open the receiving box 42, an SOS is immediately generated and is then transmitted to a remote external device 9.

5 In other words, in the present invention, when the receiving box 42 is opened in an abnormal manner, an SOS may be generated and then transmitted to the remote external device 9. That is, when the state of the anti-theft and security unit 5 is switched into the first state not by using the anti-theft and security key 51, if the receiving box 42 is opened in this case, it indicates that the receiving box 42 is abnormally opened.

10 FIG. 6 is a schematic block diagram of a POS system with a help seeking function according to a second embodiment of the present invention. The biggest difference between this embodiment and the first embodiment lies in that, the units of this embodiment located in a local end may be connected to a remote cloud mainframe 8, and then data stored in the storage unit 3 may be synchronously stored in the cloud mainframe 8.

15 The POS system 1 of this embodiment further includes a transmission unit 71. The transmission unit 71 is coupled to the storage unit 3, for transmitting transaction information stored in the storage unit 3 to the remote cloud mainframe 8.

In some embodiments, the POS system 1 of this embodiment further includes a detection unit 72. The detection unit 72 is used to detect whether a transmission network connecting
20 the local end and the remote end is normal, where the transmission network may be, for example, in a communication connection through a wired network (for example, Ethernet). or a wireless network (for example, any version conforming to IEEE802.11 standard); additionally, the wired network, the wireless network, or a combination thereof may be a Local Area Network (LAN) or Internet.

25 When the detection unit 72 detects that the transmission network is normal, the detection unit 72 drives the transmission unit 71 to transmit, according to a transmission condition, the

transaction information to the remote cloud mainframe 8. Here, the transmission condition may be that, for example, when the transaction information is stored in the storage unit 3 after each transaction, the transaction information is immediately transmitted to the remote cloud mainframe 8 through the transmission unit 71; or the transmission condition may be that, for example, at an interval of preset duration, transaction information stored in the storage unit 3 within the preset duration is transmitted, or transaction information is transmitted after a certain information amount is accumulated.

When the detection unit 72 detects that the transmission network is abnormal, the detection unit 72 may continuously detect the state of the transmission network, and till a detection result returns to normal, the detection unit 72 drives the transmission unit 71 to transmit transaction information that is not transmitted according to the transmission condition, for example, transmit transaction information stored in the storage unit 3 during a period when the transmission network is detected to be abnormal. That is, when the transmission network is normal, the transaction information stored in the storage unit 3 may be synchronously stored in the remote cloud mainframe 8. When the transmission network is abnormal, the POS system 1 is not affected, can normally operate even if the transmission network is abnormal, and can still carry on transaction and store the transaction information in the storage unit 3. After the transmission network returns to normal, the POS system 1 retransmits, through a retransmission cloud mechanism, the transaction information stored in the storage unit 3 to the remote cloud mainframe 8, so as to ensure integrity of the cloud data. In addition, when the storage unit 3 becomes abnormal, the cloud data stored in the cloud mainframe 8 may also be downloaded through the transmission unit 71, so as to return the cloud data stored in the cloud mainframe 8 to the storage unit 3.

FIG. 7 is a flowchart of a help seeking method by using a POS system according to the present invention.

As shown in FIG. 7, first, transaction information is received according to transaction (step S610). Here, a transaction unit 2 receives the transaction information according to the

transaction, and may be, for example, a bar code reader or a card reader, of which the details are the same as those in the foregoing description, and not described herein again.

Then, the transaction information is stored (step S620). Here, a storage unit 3 is used to store the transaction information such as a commodity name, commodity quantity, a promotion message, transaction content of each transaction, or other information, of which the details are the same as those in the foregoing description and not described herein again.

In some embodiments, after step S620, a display unit 6 is used to display the transaction information.

In some embodiments, after step S620, the transaction information is transmitted to a remote cloud mainframe 8. Additionally, the step of transmitting the transaction information includes: detecting whether a transmission network connected to a remote end is normal; if a detection result is normal, transmitting the transaction information according to a transmission condition; and if the detection result is abnormal, transmitting the transaction information not transmitted according to the transmission condition after the detection result returns to normal, of which the details are the same as those in the foregoing description and not described herein again.

In some embodiments, when the storage unit 3 becomes abnormal, cloud data stored in the cloud mainframe 8 may also be downloaded, so as to return the cloud data stored in the cloud mainframe 8 to the storage unit 3.

After step S620, the process turns to step S630, that is, it is judged whether an emergency occurs. If not, a first state is switched (step S641); if yes, a second state is switched (step S642).

In some embodiments, before step S630, an anti-theft and security unit 5 is provided, which is coupled to an anti-theft and security key 51. After step S630, the anti-theft and security key 51 is used to switch the state of the anti-theft and security unit 5. In some embodiments, a display unit 6 may be a touch screen, and a specific touch area in a display

area of the display unit is used as the anti-theft and security key 51. For example, a lower right corner or a lower left corner of the touch area of the display unit 6 is used as the anti-theft and security key 51, and the state of the anti-theft and security unit 5 can be switched when the staff touches the touch area serving as the anti-theft and security key 51.

5 In some embodiments, the anti-theft and security key 51 may be disposed on a money receiving unit 4, for example, disposed at a corner of a receiving box 42.

In some embodiments, the anti-theft and security key 51 may be disposed on the display unit 6, for example, disposed at a corner of a frame of the display unit 6.

10 In some embodiments, the anti-theft and security key 51 and an opening/closing element 41 in a form of a latch tool with a keyhole are integrally formed. When a non-corresponding key is used to insert into the keyhole to open the receiving box 42, an SOS is immediately generated and is then transmitted to a remote external device 9.

After step S641, the receiving box 42 is opened to close the deal (step S651).

15 After step S642, an SOS is generated and transmitted to an external device 9 (Step S652). That is, when encountering an emergency, the staff presses the anti-theft and security key 51, so that the anti-theft and security unit 5 generates an SOS.

20 In some embodiments, in step S642, the opening/closing element 41 is used to open the receiving box 42 to generate the SOS. In other words, when the anti-theft and security unit 5 is in the second state, the anti-theft and security unit 5 does not immediately generate an SOS but generate an SOS merely when the receiving box 42 is opened, so as to avoid that the state of anti-theft and security unit 5 is switched into the second state when the anti-theft and security key 51 is touched by mistake, thereby avoiding giving an alarm by mistake.

25 To sum up, through the POS system with a help seeking function, and the help seeking method according to the present invention, in a normal case (no emergency occurs), the staff can open the receiving box according to the transaction information to close the deal; while in

an emergency such as robbery, the staff can normally perform operations (for example, opening the receiving box), related to the POS system to generate an SOS, so that security guards or the policemen are immediately informed and immediately come to subdue the criminal, thereby effectively reducing a loss when emergencies such as robbery occur, and

5 avoiding that the staff is attacked by the scoundrel when seeking help from the outside. In addition, through the POS system with a help seeking function, and the help seeking method according to the present invention, the transaction information stored in the storage unit may be synchronously stored in a remote cloud mainframe. Moreover, the present invention can normally operate even if the transmission network is abnormal, and can still carry on

10 transaction and store the transaction information in the storage unit. After the transmission network returns to normal, through a retransmission cloud mechanism, the transaction information is retransmitted to the cloud mainframe, so as to ensure integrity of the cloud data. In addition, when the storage unit becomes abnormal, the cloud data stored in the cloud mainframe may also be returned to the storage unit.

15 While the present invention has been described by the way of example and in terms of the preferred embodiments, it is to be understood that the invention need not be limited to the disclosed embodiments. On the contrary, it is intended to cover various modifications and similar arrangements included within the spirit and scope of the appended claims, the scope of which should be accorded the broadest interpretation so as to encompass all such

20 modifications and similar structures.

We Claim :

1. A Point of Sale (POS) system with a help seeking function, comprising:

a transaction unit, for receiving transaction information according to transaction;

5 a storage unit, coupled to the transaction unit and for storing the transaction information;

a money receiving unit, comprising an opening/closing element and a receiving box,
wherein the opening/closing element is used to open or close the receiving box;

an anti-theft and security unit, coupled to the money receiving unit and for performing a
switch between a first state and a second state; wherein in the first state, the receiving box is
10 opened by using the opening/closing element to close the deal, and in the second state, the
anti-theft and security unit generates an SOS and transmits the SOS to an external device; and

an anti-theft and security key, used to switch a state of the anti-theft and security unit.

2. The POS system with a help seeking function according to claim 1, wherein in the
second state, the receiving box is opened by using the opening/closing element, so that the
15 anti-theft and security unit generates the SOS.

3. The POS system with a help seeking function according to claim 1, wherein the
anti-theft and security key is located on the money receiving unit.

4. The POS system with a help seeking function according to claim 1, further
comprising: a display unit, for displaying the transaction information, wherein the anti-theft
20 and security key is located on the display unit.

5. The POS system with a help seeking function according to claim 4, wherein the
display unit comprises a touch area, and the anti-theft and security key is located on the touch
area.

6. The POS system with a help seeking function according to claim 1, further comprising: a transmission unit, coupled to the storage unit, located in a local end, and used to transmit the transaction information to a remote cloud mainframe or download cloud data in the cloud mainframe to the storage unit.

5 7. The POS system with a help seeking function according to claim 6, further comprising: a detection unit, used to detect whether a transmission network connecting the local end to the remote end is normal; if a detection result is normal, drive the transmission unit to transmit, according to a transmission condition, the transaction information; if the detection result is abnormal, drive, after the detection result returns to normal, the
10 transmission unit to transmit the transaction information not transmitted according to the transmission condition.

8. A help seeking method by using a Point of Sale (POS) system, comprising:

receiving transaction information according to transaction;

storing the transaction information;

15 judging whether an emergency occurs, and performing a switch between a first state and a second state according to a judgment result;

opening a receiving box to close the deal in the first state; and

generating an SOS and transmitting the SOS to an external device in the second state.

20 9. The help seeking method by using a POS system according to claim 8, wherein in the step of generating an SOS in the second state, an opening/closing element is used to open the receiving box to generate the SOS.

10. The help seeking method by using a POS system according to claim 8, further comprising: using a display unit to display the transaction information.

11. The help seeking method by using a POS system according to claim 10, wherein

after the step of using a display unit to display the transaction information, further comprising: providing a touch area on the display unit, and touching the touch area to perform a switch between the first state and the second state.

12. The help seeking method by using a POS system according to claim 10, wherein
5 after the step of judging whether an emergency occurs, further comprising: providing an anti-theft and security key on the receiving box, so as to use the anti-theft and security key to perform a switch between the first state and the second state.

13. The help seeking method by using a POS system according to claim 8, wherein after
the step of storing the transaction information, further comprising: transmitting the transaction
10 information to a remote cloud mainframe.

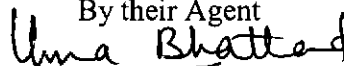
14. The help seeking method by using a POS system according to claim 13, wherein in
the step of transmitting the transaction information to a remote cloud mainframe, further
comprising: detecting whether a transmission network connected to a remote end is normal; if
a detection result is normal, transmitting the transaction information according to a
15 transmission condition; and if the detection result is abnormal, transmitting, after the detection
result returns to normal, the transaction information not transmitted according to the
transmission condition.

15. The help seeking method by using a POS system according to claim 13, wherein
after the step of transmitting the transaction information to a remote cloud mainframe, further
20 comprising: downloading cloud data in the cloud mainframe.

Dated this 2nd day of January, 2013

FOR CHOPPA TECH CO., LTD

By their Agent



(UMA BHATTAD)

Patent Agent No.: IN/PA 1194

KRISHNA & SAURASTRI ASSOCIATES