THE UNITED STATES DISTRICT COURT FOR THE DISTRICT OF COLUMBIA

FILED

OCT 2 8 2010

Clerk, U.S. District & Bankruptcy
Courts for the District of Columbia

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V.

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Seth Frielich

Nataly Turgeman

Holly Dillon

Donna Rolfe

Case: 1 10-cv-01847
Assigned To   Sullivan, Emmet G.
Assign. Date : 10/28/2010
Description: Pro Se Gen Civil

Gharb- Unitronics-cars and trucks Companies- 1 -   09.30.2010

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Gharb- Unitronics-cars and trucks Companies- 3 -   09.30.2010

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Complaint

MOTION

Mr Haim Shani general Manger of Unitronics has stolen my invention
US Patent 6552654 and has sold it to all the mentioned costumers,
inclusive cars & trucks companies over the United States .This is
patent infringement and huge damage because I use Windows stored
process in PLC Programmable Logic Controller with GSM Mobile
Phone. In addition, Mr Haim Shani must understand the importance of
memory in PLC Programmable Logic Controller- GSM Mobile phone in
my US patent.

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I use PC keyboard memory write/read to store my invention with the
Function Blocks in PLC Programmable Logic Controller & GSM. Mr
Haim Shani must understand that he cannot do the same by using PC
keyboard. Mr Haim Shani has done business with PLC & GSM with
cars & trucks companies. In addition, Mr Shani must have perception
and realize that he has used the claim and drawing sheet of my US Patent.

Here as follows - you can see my US patent for the new technology of
using PLC programmable logic controller   – GSM Mobile phone
established in june.3,1999 and that time nobody of the Unitronics, team
knew how this new technology works or even how to store by using of
Function Blocks in PLC or how to erasable .

Security system with a mobile telephone & PLC programmable logic
controller   US Patent 6552654..

PLC Programmable Logic Controllers G, H, and I essentially are used to
activate a mobile phone
Inventor. Gharb, Samy ... Foreign Application Priority Data. 1999-06-03
CH http://www.patentstorm.us/patents/6552654/description.html -
(Summary No, 1)

A security system for monitoring objects, comprising:
a digital recording device having at least one emergency message; and
a mobile telephone having at least one preselected emergency number;
Programmable Logic Controller (PLC); controllers for activating a
mobile telephone and a digital recording device;

Here are the three devices used in my invention of the new technology.

1. MEMORY OF PLC Programmable Logic Controller
2. MEMORY OF PC
3. MEMORY OF GSM MOBILE PHONE

US006552654B1

(12) **United States Patent**   (10) **Patent No.:**   **US 6,552,654 B1**
          Gharb   (45) **Date of Patent:**   **Apr. 22, 2003**

(54) **SECURITY SYSTEM WITH A MOBILE TELEPHONE**

(76) Inventor: **Samy Gharb**, Bachtobelstrasse 30, CH-8045 Zurich (CH)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.:   **09/762,111**

(22) PCT Filed: **May 25, 2000**

(86) PCT No.:   **PCT/CH00/00294**

        § 371 (c)(1),
        (2), (4) Date: **Apr. 5, 2001**

(87) PCT Pub. No.:   **WO00/74983**

        PCT Pub. Date: **Dec. 14, 2000**

(30)   **Foreign Application Priority Data**

   Jun. 3, 1999   (CH) 1042/99

(51) Int. Cl.^{7} **B60R 25/10**
(52) U.S. Cl. 340/426; 340/998; 340/995; 340/573.1; 340/574; 340/539; 455/345; 455/517
(58) Field of Search 340/426, 988, 340/995, 573.1, 574, 539, 998; 455/345, 517

(56)   **References Cited**

                U.S. PATENT DOCUMENTS

   5,497,149 A * 3/1996 Fast 340/988
   5,731,785 A * 3/1998 Lemelson et al. 340/825.49
   5,806,055 A * 9/1998 Colizza 340/426
   5,898,391 A * 4/1999 Jefferies et al. 340/988
   5,959,529 A * 9/1999 Kail, IV 340/539

   * cited by examiner

Primary Examiner—Daniel J. Wu
Assistant Examiner—Hung Nguyen
(74) *Attorney, Agent, or Firm*—Burns, Doane, Swecker & Mathis, L.L.P.

(57)   **ABSTRACT**

A security system is activated by a remote control (A) via a main relay (B) and an alarm signal is generated by a sensor unit (C) with at least one sensor. The alarm signal is processed in the PLC control units (D, F, G, H, I) and with a recording device (K), and the alarm information is transmitted in the form of a data set via a mobile telephone. The PLC control units are client-specifically programmed with a computer (PC) during the start-up process and the information is transmitted to them via a mobile line (50, 51, 52). The invention is suitable for use in the monitoring of vehicles and security cases. In particular, the security device can be integrated into a satellite locating system with which the position can be represented on a monitor.
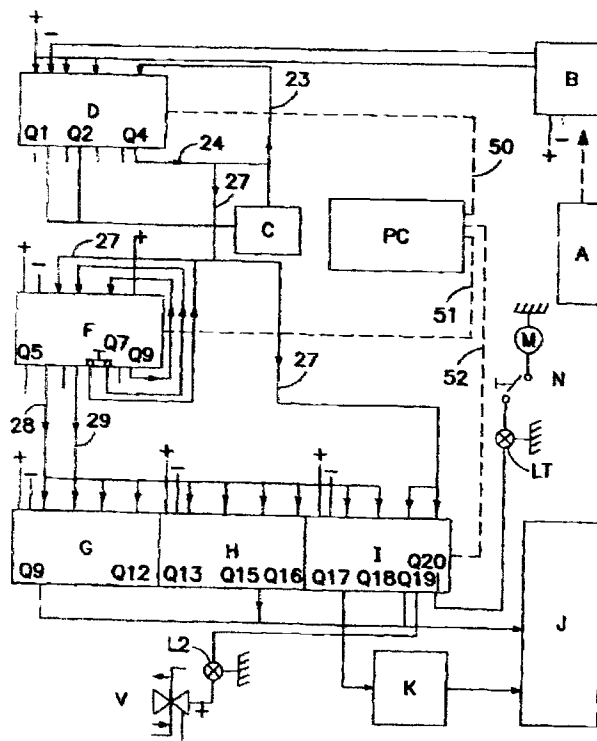
10 Claims, 8 Drawing Sheets

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Mr Haim Shani is not allowed to use, offer or sell this new technology of
my US Patent. I use PC keyboard memory write/read to store my
invention with Function blocks in PLC programmable logic controllers
& GSM Mobile Phone.Mr Shain is not allowed to do the same by using
PC keyboard and this is direct patent infringement.
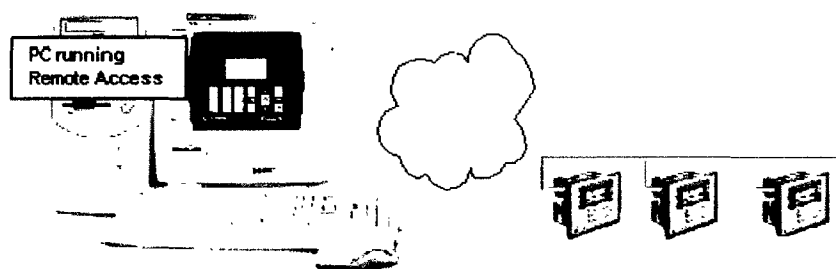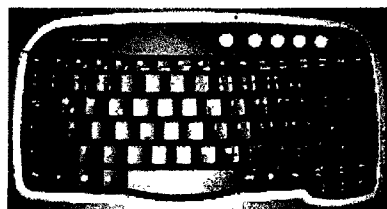
Here is Unitronics business with PLC programmable logic controller –
GSM Mobile Phone in cars/ trucks Companies (General Motors- Fiat-
Volvo .Mercedes-Pirelli).

Gharb- Unitronics-cars and trucks Companies- 11 -   09.30.2010
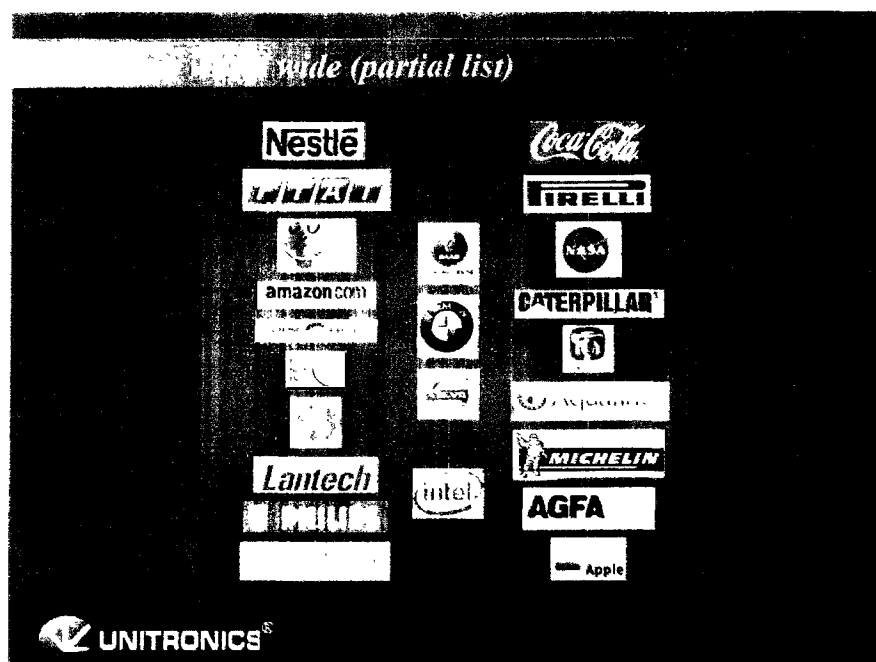
Summary of the fact

Fact No, 1
Unitronics has been a publicly traded company since October 1999 and I received the American & International Patent in June 03.1999 and at that time no one of Unitronics team inclusive Mr Haim Shani had no idea about my new technology of PLC programmable logic controller -GSM mobile phone.

Fact No, 2
Here you can see Unitronics business with PLC programmable logic controller – GSM mobile phone in cars/ trucks Companies (General Motors- Fiat- Volvo .Mercedes-Pirelli) and that is patent infringement because of use the PLC programmable logic controller – GSM and installed in cars/ trucks. Mr Shani must have perception and realize that I will not allowed him to use any Claim of drawing sheet

Unitronics Industries » Automobile
Director Zvi Livne -Director Ron Mishael -Director Moshe Baraz
Chief Financial Officer Yair Itscovich

About Unitronics and the business environment

Unitronics (EURO.NM symbol: UNIT) is an Israeli company that designs, develops, manufactures, and markets Programmable Logic Controllers (PLCs), the computer 'brains' that controls automated production lines. Our company is dedicated to the prime directive of PLC control—to make automation simple, efficient, and affordable.

Since 1989, we have introduced devices intended to provoke new trends in production line automation. We created the OPLC™ controller series: controllers that enable bi-directional man-machine communication through a simple user interface.

Our state-of-the art PLCs are installed in plants in a variety of industrial sectors-petrochemical, paper and corrugated, plastics and foods, energy and environment, air conditioning and building control, machine and process control applications, power generation, water and wastewater management—where automation and process control are needed.

We believe that in today's global economy, data has become an incredibly valuable commodity. In industry, production data must be freely distributed through all levels of an enterprise. Data must be equally available on the production floor, to marketing staff and to management. Proper data distribution leads to greater efficiency— a key element of success in an increasingly competitive marketplace.

This is driving a strong market trend towards PLCs that are integrated with advanced communication technologies. PLCs that enable vertical communications throughout an enterprise—on a global scale. We expect to timely release a new generation of products, embedded with Internet and wireless communication abilities, to meet this trend. Unitronics' WebPLC™ uses .www technology to enable seamless production-floor-to-boardroom communications. Our M90-GSM is capable of wireless communications over cellular telephone networks. A mobile user can send and receive production data via a cell phone—even where the M90-GSM itself is installed in a moving vehicle.

According to a Frost & Sullivan report (Report 5450-10), the world PLC market is expected to reach USD 10.29 billion by the year 2004. Our objective is to become a major player within our market niche by developing technologically advanced products that are timed to meet market demand, and by developing and maintaining a global marketing network to deliver those products where market demand exists.
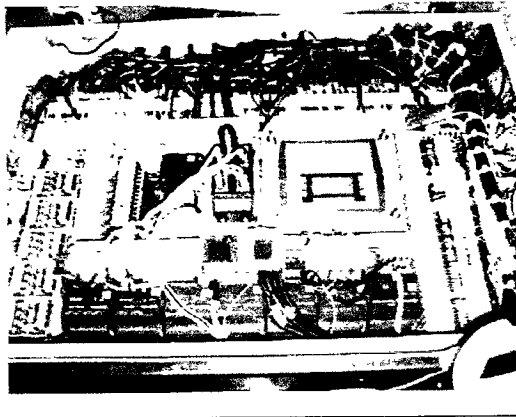
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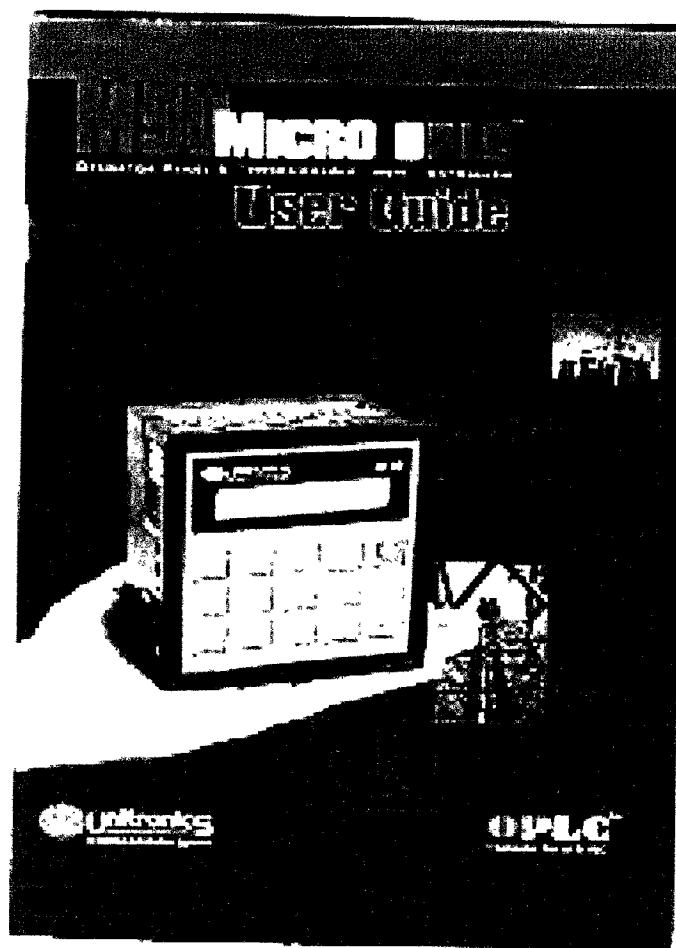

PLC programmable logic controller – GSM mobile phone in cars

Fact No, 3

From the year 1990 to the year, 2000 Mr Haim Shani the general Manger of Unitronics had only one PLC M 90 without any GSM Mobile phone feature. You can see here the following picture (which clearly) that means at that time Mr Haim Shani had no idea about my new technology of the use PLC programmable logic controller & GSM mobile phone (Summary No,2).

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without any

function Block wit

GS III

Fact

Fact No 4

In 08.27 2000 Mr Haim Shani has written that PLC programmable logic
controller M90 is Ready to Grow but he has forgotten to wrote that the
new technology was been from US patent of Inventor Samy Gharb.

Gharb- Unitronics-cars and trucks Companies- 18 -   09.30.2010

US006552654B1

(12) **United States Patent**   (10) **Patent No.:   US 6,552,654 B1**
Gharb   (45) **Date of Patent: Apr. 22, 2003**

(54) **SECURITY SYSTEM WITH A MOBILE TELEPHONE**

(76) Inventor: **Samy Gharb**, Bachtobelstrasse 30, CH-8045 Zurich (CH)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No : **09/762,111**

(22) PCT Filed   **May 25, 2000**

(86) PCT No.   **PCT/CH00/00294**

§ 371 (c)(1),
(2), (4) Date: **Apr. 5, 2001**

(87) PCT Pub. No.: **WO00/74983**

PCT Pub. Date: **Dec. 14, 2000**

(30)   **Foreign Application Priority Data**

Jun. 3, 1999   (CH) 1042/99

(51) Int. Cl.⁷ **B60R 25/10**
(52) **U.S. Cl.** 340/426; 340/998; 340/995; 340/573.1; 340/574; 340/539; 455/345; 455/517
(58) **Field of Search** 340/426, 988, 340/995, 573.1, 574, 539, 998; 455/345, 517

(56)   **References Cited**

U S. PATENT DOCUMENTS

5,497,149 A	*	3/1996	Fast	340/988
5,731,785 A	*	3/1998	Lemelson et al	340/825.49
5,805,055 A	*	9/1998	Colizza	340/426
5,898,391 A	*	4/1999	Jefferies et al.	340/988
5,959,529 A	*	9/1999	Kail. IV	340/539

* cited by examiner

Primary Examiner—Daniel J. Wu
Assistant Examiner—Hung Nguyen
(74) *Attorney, Agent, or Firm*—Burns, Doane, Swecker & Mathis, L.L.P.

(57)   **ABSTRACT**

A security system is activated by a remote control (A) via a main relay (B) and an alarm signal is generated by a sensor unit (C) with at least one sensor. The alarm signal is processed in the PLC control units (D, F, G, H, I) and with a recording device (K), and the alarm information is transmitted in the form of a data set via a mobile telephone. The PLC control units are client-specifically programmed with a computer (PC) during the start-up process and the information is transmitted to them via a mobile line (50, 51, 52). The invention is suitable for use in the monitoring of vehicles and security cases. In particular, the security device can be integrated into a satellite locating system with which the position can be represented on a monitor.

10 Claims, 8 Drawing Sheets

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Fact No, 5

My US Patent for security system with PLC- GSM – 10 claim & drawing
sheet for PLC – GSM mobile phone –function blocks in PLC
programmable logic controller   to use with GSM Mobile Phone.

Fact No, 6

International patent classification

 A Internal CL 60R25/10

B 60 RVEHICLES, VEHICLE

B 60 B25/06.operating on transmission
25/10.actuating a signalling device
PLC- GSM a data set for transmission to the mobile telephone
Security system comprising

B US CL 340/426

Vehicle – PLC – GSM

Fact No,7

For determation of the exact volume of infringement because and Mr
Haim Shani has used all the Claim & Drowing Sheet and Function block
sheet of my US Patent 6,552,,

Claims:

What is claimed is:

1. A security system for monitoring objects, comprising: a digital
recording device having at least one emergency message; and a mobile
telephone having at least one preselected emergency number; a first
Programmable Logic Controller (PLC) controller for initialing
monitoring; a second PLC controller for repeating an alarm signal; and
third, fourth, and fifth PLC controllers for activating a mobile telephone
and a digital recording device; at least one sensor for generating an alarm
state connected to the first PLC controller; a main relay for controlling
the first PLC controller and which can be operated by a remote control; a
computer having mobile lines connectable to the five PLC controllers for
programming the five PLC controllers; and a data set for transmission to
the mobile telephone including alarm information; wherein the second
PLC controller repeats the alarm signal if the line dialed by the mobile
telephone in case of an alarm, is busy; and wherein each time the second
PLC controller repeats the alarm signal, the third, fourth and fifth PLC
controllers activate the mobile telephone and the digital recording device.
**And Mr Shani must have perception and realize that I well not
allowed him to use any claim and drawing sheet.**

2. A security system as claimed in claim 1, wherein the data set
comprises a start signal, the at least one emergency number, and the at
least one emergency message.

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and Mr Shani_ must have perception and realize that I will not allowed his to use any Claim of drawing sheet.

3. A security system as claimed in claim 1, wherein each of the controllers includes inputs and outputs, and wherein the outputs of the first PLC controller are connected to an input of the second PLC controller and of the fifth PLC controller, outputs of the second PLC controller are connected to inputs of the third, fourth, and fifth PLC controllers, outputs of the third and fourth PLC controllers are connected to an input of the mobile telephone, and outputs of the fifth PLC controller are connected to the recording device.

4. A security system as claimed in claim 1, wherein the fifth PLC controller is configured and arranged to control the ignition and the solenoid of the fuel pump of a vehicle.

5. A method of using a security system comprising the steps of: providing a security system as claimed in claim 1; positioning the security system inside a security case, the security case including an underside having at least one switching element for triggering the alarm and at least one switching element for releasing the power supply; a satellite communications device connected to the security system and having an antenna for communicating with a satellite locating system; and operating the security system for locating vehicles.

6. The method of claim 5, wherein when the security case is not in contact with a surface, the at least one switching element for the triggering the alarm triggers the alarm and the at least one switching element for releasing the power supply connects the power supply to at least one of the PLC controllers.

7. A method for operating a security system comprising the steps of: providing a security system as claimed in claim 1; entering the alarm signal and the alarm information in the PLC controllers into the mobile telephone and digital recording device, which establishes a data set; activating the operating status via the main relay by means of the remote control; generating an alarm signal via the at least one sensor of the sensor unit; transmitting the alarm signal to the first PLC controller, and from the first PLC controller to the second PLC controller; transmitting the alarm signal at least once to the third, fourth, and fifth PLC controllers, the outputs of which are used to control the mobile telephone and the recording device; and transmitting the data set via the mobile telephone, wherein the data set is compiled from the at least one emergency number stored in the mobile telephone, the emergency message stored in the recording device, and start and initialization signals from the third and fourth PLC controllers.

8. A method as claimed in claim 7, further comprising the steps of: operably connecting the security system to a vehicle having an ignition power supply and a fuel pump solenoid; interrupting the vehicle ignition power supply; and blocking the fuel pump solenoid.

9. A method as claimed in claim 7, further comprising the step of: repeating the alarm signal in the second PLC controller at least once if the line dialed in case of an alarm by the mobile telephone is busy. to cause the line to be redialed.

10. A method as claimed in claim 7, further comprising the steps of:
operably connecting the security system to a vehicle having a power
supply; supplying the security system with power via the vehicle power
supply, except for the remote control that is operated externally and with
a battery.

BRIEF DESCRIPTION OF THE DRAWINGS
The invention of the present application will now be described in more
detail with reference to preferred embodiments of the apparatus and
method, given only by way of example, and with reference to the
accompanying drawings, in which:
FIG. 1 is shows a schematic portrayal of a security system with a mobile
telephone& PLC (drowing sheet) and Mr Shani must have perception
and realize that I well not allowed him to use any drawing sheet.

FIG. 2 shows an overview circuit diagram of the PLC (Programmable
Logic Controller) controller D (Function block) Drowing sheet.
FIG. 3 shows an overview circuit diagram of the PLC controller F
(Function block) drowing sheet .
FIG. 4 shows an overview circuit diagram of the PLC controller G
(Function block) drowing sheet.
FIG. 5 shows an overview circuit diagram of the PLC controller H
(Function block) drowing sheet.
FIG. 6 shows an overview circuit diagram of the PLC controller I
(Function block) drowing sheet.
FIG. 7 shows a security system with mobile telephone, integrated into a
satellite locating system (drowing sheet).
FIG. 8 shows a security system with mobile telephone, integrated into a
security case.

Function blocks drawing sheet (Fig 1 to Fig 6).

The Function Blocks are summarized in the following table: PLC Relay
No. Command Time

G Q9 Mobile telephone ON		01.00 s-02.40 s
G Q10 Pin Code 1	06.00 s-01.50 s	
G Q11 Pin Code 2	08.00 s-01.50 s	
G Q12 Pin Code 3	10.00 s-01.50 s	
H Q13 Pin Code 4	12.50 s-01.50 s	
H Q14 OK	14.00 s-01.50 s	
H Q15 Emergency number	16.50 s-01.50 s	
H Q16 OK	18.50 s-01.50 s	
I Q17 Start emergency message	19.90 s-01.70 s	
I Q18 Mobile telephone OFF		55.5s

Fact No, 8

Mr Haim Shani must understand that he has neither the licenes nor the
permission to use my patent and because he use the claim of the my US
patent and the drowing sheet of function block in the PLC programmable
logic controller for use with GSM that means he has to pay for this huge
Damge of my US PATENT.

Fact No, 9
Direct damages by using the drowing sheets of function blocks & claims
with picture in internet.

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Function blocks

Fact No. 10

For all function blocks using of drowing sheet with GSM ready for the customers without any rights intellectual property in US .
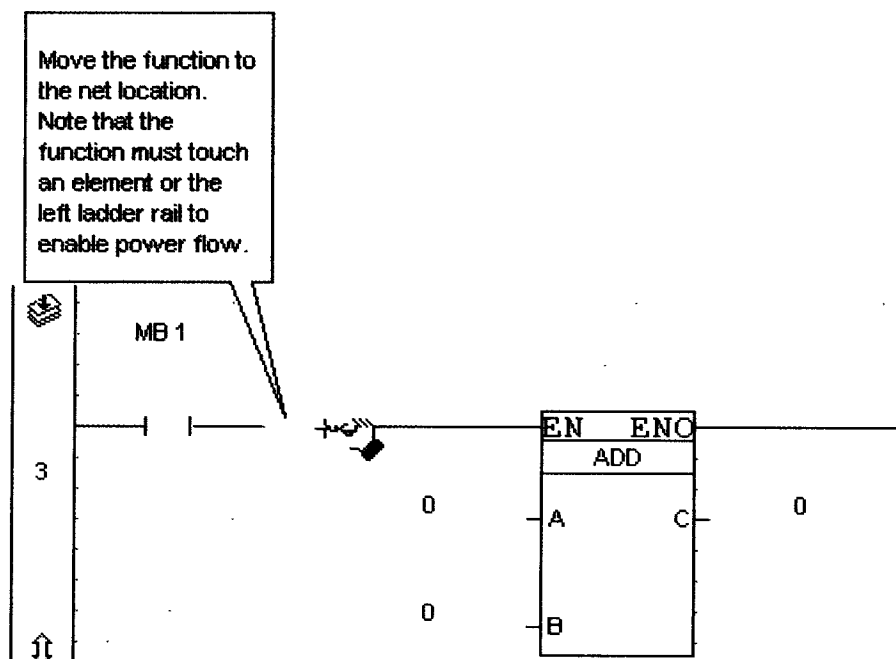
Mr Haim Shani wrote this on his website
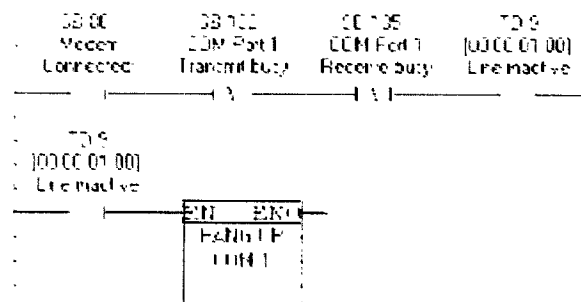Use function block Information, located on the view menu, to check:
Which FBs (function blocks) are installed in your library.
Which FB versions are installed, which versions are used in the open project, and to manage FB versions?
FB memory usage.

Move the function to
the net location.
Note that the
function must touch
an element or the
left ladder rail to
enable power flow.

MB 1

3

0   EN   ENO
                 ADD

0   A   C   0

0   B

Here is direct Patent infringement because Mr Haim Shani use
Function blocks via PC keyboard and store it ready for his customers
(Summary No.3) In addition; Mr Shani must have perception and realize
that.

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GSM PIN Code via MI: Function Number 410
PIN Code: 25454123

SB 2 Power-up ·
        bit

This defines the
number of digits in
the PIN code.

| EN   ENC |
| ST |

This defines
the start of
the MI vector
that holds the
PIN code.

0   A   B

SI 141 Function
Operand

8   A   B

| EN   ENO |
| ST |

| EN   ENO |
| ST |

2545   A   B

MI 1

4123   A   B

| EN   ENO |
| ST |

These are the
digits in the
PIN code
number.

This calls
the
function.

| EN   ENO |
| ST |

410   A   B

SI 140 Function
Operand

Function block for pin code Mobile phone on

SMS Phone number via MI: Function Number 400
Phone number to be dialed: +25454123456

This defines the
start of the MI
vector that holds
the phone number.

This defines the
number of digits in
the phone number.

| EN   ENO |
| ST |

| EN   ENO |
| ST |

0   A   B

SI 141 Function
Operand

12   A   B

MI 0 Phone #:
Start of Vector

This defines the
+ sign.

| EN   ENO |
| ST |

| EN   ENO |
| ST |

10000   A   B

MI 1 + sign

2545   A   B

MI 2

These are the
digits in the phone
number.

| EN   ENO |
| ST |

| EN   ENO |
| ST |

4123   A   B

MI 3

456   A   B

MI 4

This calls the
function.

| EN   ENO |
| ST |

400   A   B

SI 140 Function
Operand

PLC programmable logic controller for *function block for Phone*
Number on

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U90

Creating SMS messages

You can create up to 99 SMS messages, or up to a total of 1K whichever comes first. Each SMS message can contain up to 140 characters. SMS messages can include both fixed text and variable data.

Creating SMS text messages

Note that you must use the English character set to write SMS messages.

1. Open the SMS editor by selecting SMS Configuration from the Controller menu
2. Enter fixed text by placing your cursor within a line and typing normally. You may use any keyboard symbols except for number symbols (#). These have a specific purpose which is described below

1. Cut and copy messages by clicking on the Cut button. This removes all of the text and variables from a message, but does not delete the line
2. Copy messages by clicking on the Copy button. This copies all of the text and variables
3. Paste by clicking on the Paste button. You can paste over an existing message. This action erases any information in the line
4. Use the Insert button to add a line below the line containing the cursor
5. Use the Delete button to remove a line below the line containing the cursor

Attaching variables

You can attach up to 9 variables to an SMS message. Each variable can include up to 16 characters. Attaching variables to an SMS message is similar to attaching variables to an HMI display. However, the variable must already be in the variable list--you cannot link a variable before it has been created
Integer variables can be sent and received with SMS messages. List variables can only be sent to a cell phone
As with HMI variables, you must create a Display Field for the display of the variable's value

1. Click your cursor where you want to locate the variable text
2. Hold down the Shift key on your PC keyboard, while you press the right-pointing arrow key. A square is highlighted each time you press the arrow key. The first square displays the number of highlighted squares.
3. Release the Shift key. The Select Operand and Address box opens
4. Enter the variable number and description, then click OK as shown below

5. The SMS message now appears together with the variable field.

Deleting variables

1. Place your cursor in the highlighted Variable field
2. Press the Backspace or Delete key until the entire field is erased

Testing messages

1. To test your messages, click on the Compile button. If, for example, you have attached "illegal" variables--not integer or list variables--the first illegal variable will be displayed
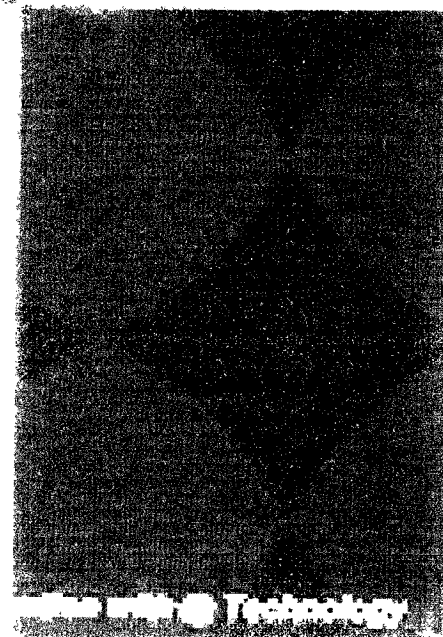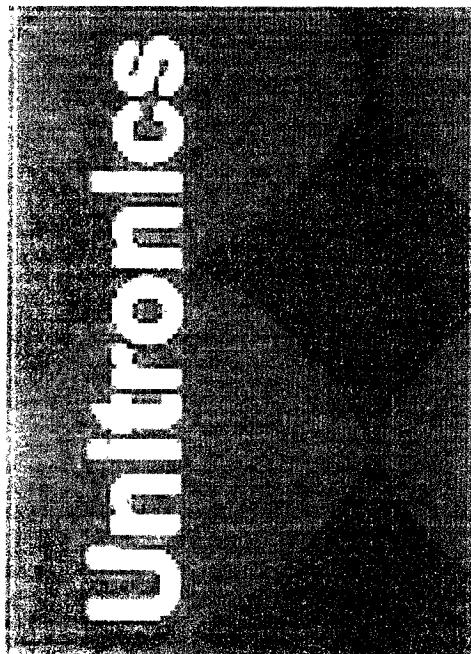
Related_Topics

mk:@MSITStore:C:\Programme\Unitronics\Unitronics%20U90%20Ladder\Help\U90...   23.04.2007

PLC programmable logic controller for *function block for sms message*

PLC programmable logic controller function blocks for **GSM Mobile phone On/*Off***

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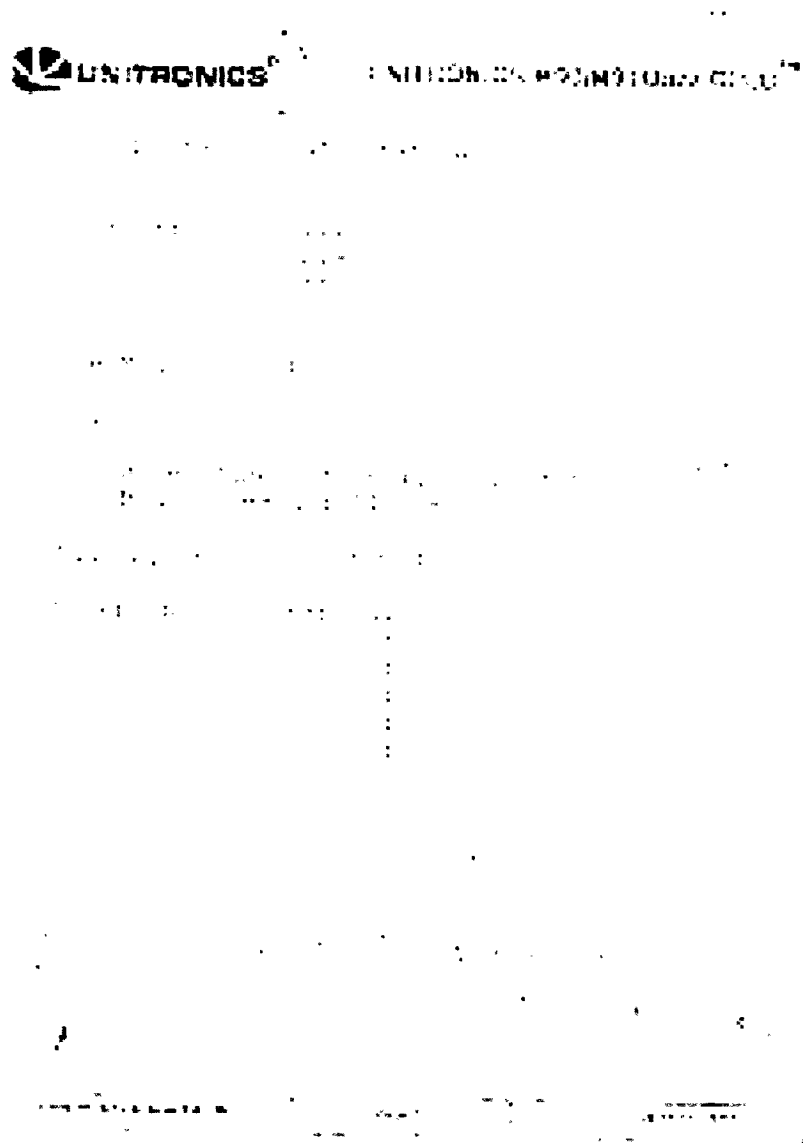
Fact No, 11

Mr Haim Shani has erased this documents of the year 2000 from internet which I called this a feel action because if you store documents afterward you erase, them would be stay always in PDF. Here is question why he has done this because he has written that is **where the M90 PLC -GSM Mobile phone itself is installed in a moving vehicle and Mr Shani must have perception and realize this.**

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About Unitronics and the business environment

Unitronics (EURO.NM symbol: UNIT) is an Israeli company that designs, develops, manufactures, and markets Programmable Logic Controllers (PLCs), the computer 'brains' that controls automated production lines. Our company is dedicated to the prime directive of PLC control—to make automation simple, efficient, and affordable.

Since 1989, we have introduced devices intended to provoke new trends in production line automation. We created the OPLC™ controller series: controllers that enable bi-directional man-machine communication through a simple user interface.

Our state-of-the art PLCs are installed in plants in a variety of industrial sectors-petrochemical, paper and corrugated, plastics and foods, energy and environment, air conditioning and building control, machine and process control applications, power generation, water and wastewater management—where automation and process control are needed.

We believe that in today's global economy, data has become an incredibly valuable commodity. In industry, production data must be freely distributed through all levels of an enterprise. Data must be equally available on the production floor, to marketing staff and to management. Proper data distribution leads to greater efficiency— a key element of success in an increasingly competitive marketplace.

This is driving a strong market trend towards PLCs that are integrated with advanced communication technologies, PLCs that enable vertical communications throughout an enterprise—on a global scale. We expect to timely release a new generation of products, embedded with Internet and wireless communication abilities, to meet this trend. Unitronics' WebPLC™ uses .www technology to enable seamless production-floor-to-boardroom communications. Our M90-GSM is capable of wireless communications over cellular telephone networks. A mobile user can send and receive production data via a cell phone—even where the M90-GSM itself is installed in a moving vehicle.

According to a Frost & Sullivan report (Report 5450-10), the world PLC market is expected to reach USD 10.29 billion by the year 2004. Our objective is to become a major player within our market niche by developing technologically advanced products that are timed to meet market demand, and by developing and maintaining a global marketing network to deliver those products where market demand exists.

For further information:

Unitronics	+972 8 9786 555
Haim Shani, Chief Executive Officer	haim@unitronic.com
Cara Levy, Investor relations	info@unitronic.com
Unitronics Web Site:	www.unitronic.com

Fact No, 12

On 7.27.1999 Mr Haim Shani the boss of Unitronics was occupied in filing a new patent PCT/IL/00/00443 for an improved method and apparatus for Detection of medical conditions shock and pre shock and at that time Mr Haim Shani had no idea about the new technology of PLC programmable logic controller & GSM Moblie phone and how this works and if he could have known it he

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would have been filing a Patent for PLC & GSM Mobile phone and not
for MEDICAL conditions..
Pub. No.: WO/2001/006926 International Application No.:
PCT/IL2000/000443
Publication Date: 01.02.2001 International Filing Date: 25.07.2000
Chapter 2 Demand Filed: 19.02.2001
IPC: A61B 5/103 (2006.01)
Applicants: SHANI, Haim [IL/IL]; (IL) (US Only).
SHAVIT, Ittai (IL) (US Only).
CARDIOSENSE LTD. [IL/IL]; P.O. Box 212, Nesher 36601 (IL) (All
Except US).
Inventors: SHANI, Haim; (IL).
SHAVIT, Ittai; (IL).
Agent: LUZZATTO, Kfir et al.; Luzzatto & Luzzatto, P.O. Box 5352,
84152 Beer Sheva (IL).
Priority Data: 131108
26.07.1999 IL
131245 04.08.1999 IL (Summary No.4)

Fact No 13

Mr Haim Shani Want to United States for making business as follows
here you can read the story about his kind of business.
In 2000, Unitronics commenced penetration of the North American
markets, which it believes to represent a third of the aggregate world
PLC market. In June 2001, Unitronics Inc., a Delaware (USA)
corporation was established as a wholly owned subsidiary of the
Company, whose principal facilities are located near Boston,
Massachusetts. Unitronics Inc. operates and coordinates a network of
more than 60 sales representatives and re-sellers spanning most of the
states in the USA, while Unitronics provides technical and sales training
sessions.
The US Market In the year 2001, during the first months of operation in
the US market, Unitronics realized insignificant revenues from this
market; however these revenues increased following continued market
penetration and gaining market acceptance as indicated in the diagram
below, demonstrating increased growth in revenues from the US market,
through the three consecutive calendar years ending December 31, 2003.
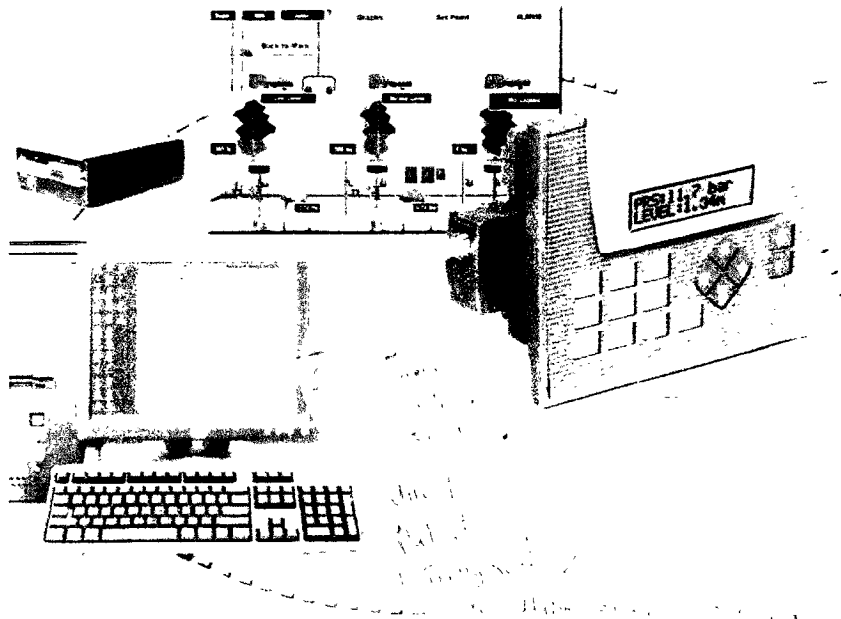
Fact No, 14

Please see the above-illustrated picture;
For storing , Function blocks sheet drawing with Keyboard PC to use
with GSM Mobile phone and this direct Patent infringement of my US
patent and no one is legitimated to all allows Mr Shani to use my US
patent.

Here as follows you see various products of Unitronics with my patent
stored in all PLC programmable logic controller central processing unit
(CPU) containing processor, executive memory.

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(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREA'

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
1 February 2001 (01.02.2001)   PCT

(10) International Publication
WO 01/06926 A

(51) International Patent Classification⁷: A61B 5/103

(21) International Application Number: PCT/IL00/00443

(22) International Filing Date: 25 July 2000 (25.07.2000)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
131108   26 July 1999 (26.07.1999)   IL
131245   4 August 1999 (04.08.1999)   IL

(71) Applicants and
(72) Inventors: SHANI, Haim [IL/IL]; 83 Adolam Street, 73142 Shaham (IL). SHAVIT, Ittai [IL/IL]; 58A Herzl Street, 22401 Nahariya (IL).

(74) Agents: LUZZATTO, Kfir et al.; Luzzatto & Luzzatto, P.O. Box 5352, 84152 Beer Sheva (IL).

(81) Designated States (national): AE, AG, AI AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CI DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, K LS, LT, LU, LV, MA, MD, MG, MK, MN, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, S TR, TT, TZ, UA, UG, US, UZ, VN, YU, Z

(84) Designated States (regional): ARIPO pa KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, patent (AT, BE, CH, CY, DE, DK, ES, FI, F IT, LU, MC, NL, PT, SE), OAPI patent (F CI, CM, GA, GN, GW, ML, MR, NE, SN,

Published:
— With international search report.

For two-letter codes and other abbreviations, re) ance Notes on Codes and Abbreviations" appear ning of each regular issue of the PCT Gazette.

(54) Title: AN IMPROVED METHOD AND APPARATUS FOR THE DETECTION OF MEDICAL CONDITIO AND PRE-SHOCK
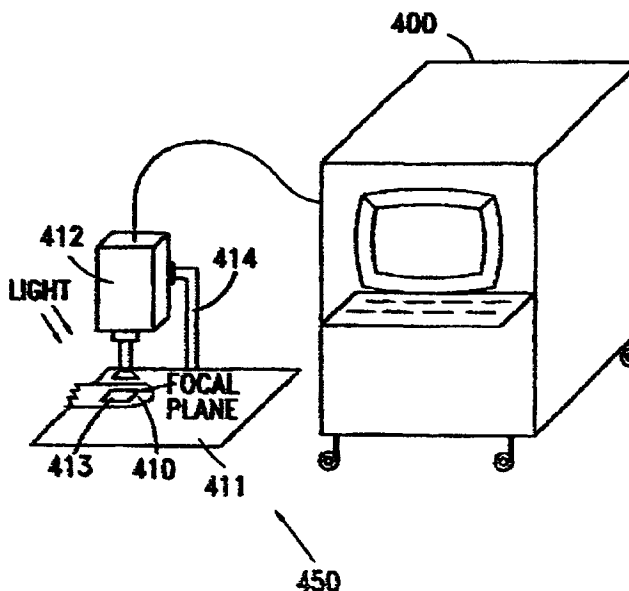
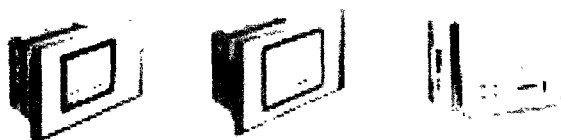(57) Abstract: Method and apparatus for the diagnosis and/or early detection of physiological distress in a patien

UNITRONICS

PLC + HMI in one unit

PRODUCT OVERVIEW

PLC & Color Touchscreen HMI

PLC & Touch panel HMI

PLC & Graphic HMI

PLC & Text HMI

Fact No, 15

Unitronics products for PLC programmable logic controller – GSM mobile phone between the years 2000 to 2009 (Summary NO,5)

2009 New Product Unitronics - Vision350™ PLC & GSM Mobile phone
January 8, 2008 –Equipped with 3.5 in. colour touch screen capable of supporting 3 MB application memory for images and 512 K for fonts, PLC Vision 350 (TM) allows 250.
May 2007 - The new Unitronics Vision 570 OPLC with Colour Touchscreen.October 2006 - Additional Unitronics JAZZ OPLC models.
April 2006 - New Unitronics JAZZ Micro-OPLC - Break the Rules.
April 2006 - Unitronics Integrated PLC and HMIs – the complete series of OPLCs. November 2005 - Join Unitronic's 100,000 celebrations.
Special 1+1 offer on newly released M91 and Vision 120 models.
July 2005 - Tank Level and Product Density System at Frucor Beverages Ltd using E+H Deltapilot S and Unitronics V260 PLC .
March 2005 - New from Unitronics. The Vision 290 PLC with Virtual Touch Screen (pdf 119k).**March 2004** - Unitronics OPLC Series wins excellence award.

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August 2003 - Enhanced versatility with new Expansion modules and
extended Snap-in I/O
December 2002 - New: Unitronics Vision 280 PLC with integrated
Touchscreen Panel **June 2002 - New:** Unitronics Vision 120 PLC
integrated Graphic Operator Panel and PLC
May 2002 - New: Unitronics Vision 260 PLC- with integrated 240 x 64
pixels graphics display
**October 2001 - New: Unitronics Vision 230 - the first PLC with
integrated graphics display June 2001 - Process Control for the
Quarrying Industry Unitronics M90 PLC and GSM Mobile phone Kit.**
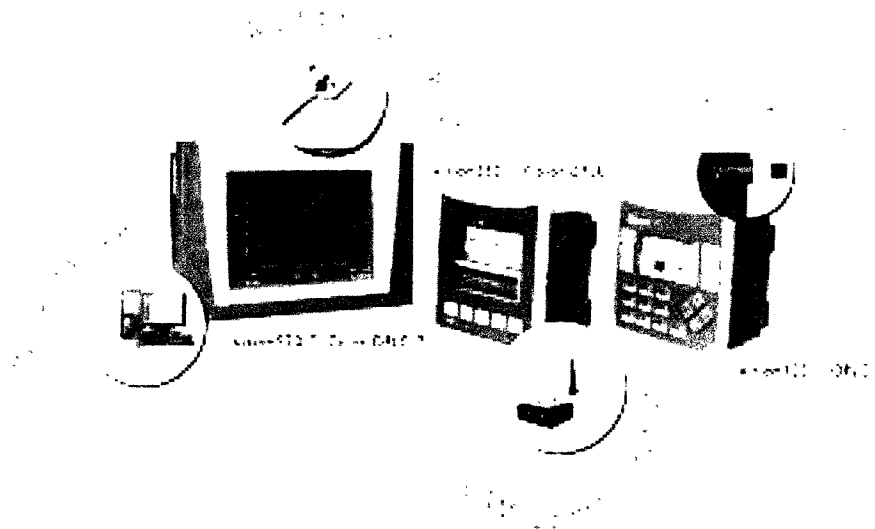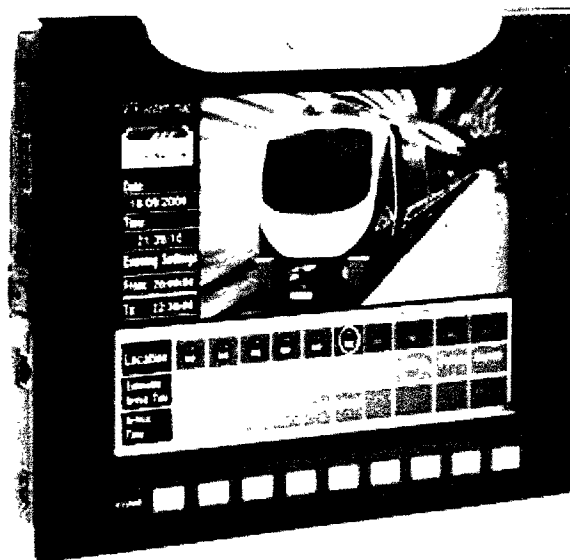
_ () _

Moreover, the use of Wireless Controllers weak eliminate the maintenance costing
requirements by replacing cabling with a reliable wireless link making both installation and
future modifications easier
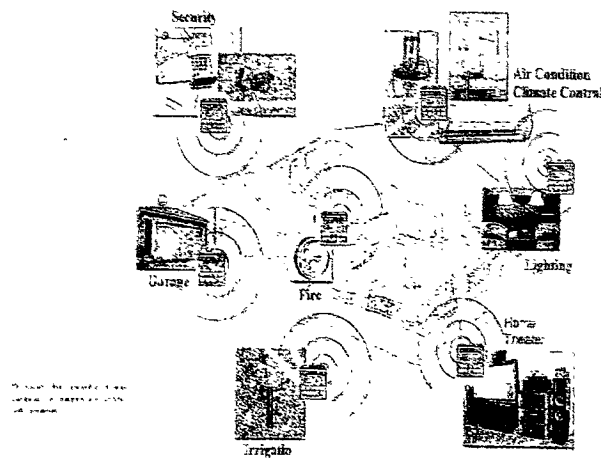
In a WiCo™ system controllers communicate with each other using
an "any-to-any", reliable, wireless link

Fact No. 16

Mr Haim Shani has written in this picture on internet that he does
business with Security System through PLC programmable logic
controller & GSM Mobile Phone here is the direct patent infringement of
my US patent and show here for determinations the damages to my US
Patent by "lost profits *(lost royalty)*.

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Here is PLC & GSM for 900 USD
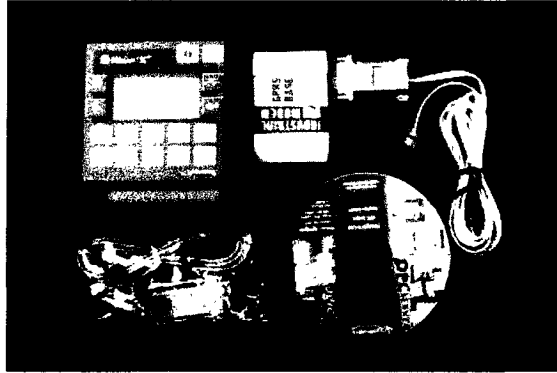
Background of the memory & store

Memory and CPU Central Processing Unit in GSM Mobile Phone
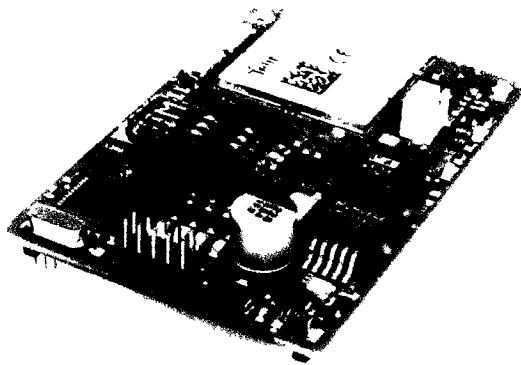
PC and CPU Central Processing Unit
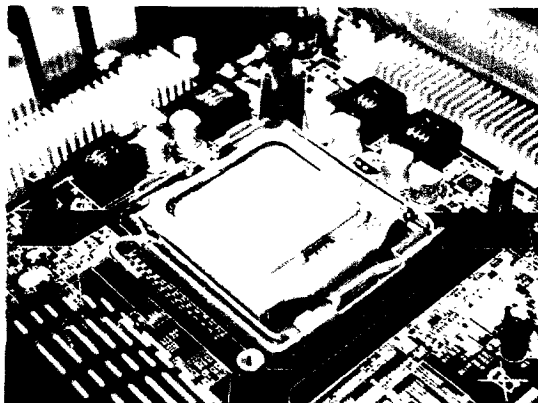
PLC memory and CPU Central Processing Unit
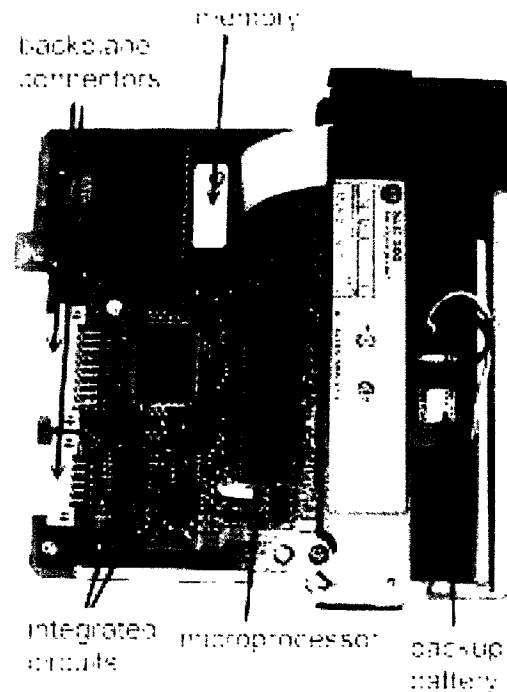
Background of PLC programmable logic controllers – CPU & Store Data

The PLC mainly consists of a CPU, memory areas, and appropriate
circuits to receive input/output data. DATA STORAGE-Typically there
are registers assigned to simply store data. They are usually used as
temporary storage for math or data manipulation. They can also typically
be used to store data when power is removed from the PLC. Upon
power-up, they will still have the same contents as before power was
removed.
The CPU in PLC Programmable Logic Controllers
The CPU core is the 'computer' part of the Microcontroller. Its job is to
run the program supplied by the designer. **It does this by using memory,
some registers,** and the program memory. As seen in the block diagram
above, the M68HC11 CPU is called out as a subcomponent of the chip as
a whole. There is a reason. Most Microcontrollers are available in
multiple versions. Each version will have its own interesting set of
features. The 68HC811E2, for example, is a chip with the 68HC11 CPU
at its core, but 2k of EEPROM and some extra timer options. The
68HC11A1 has 512 bytes of EEPROM, and 256 bytes of RAM. It is
quite typical for manufacturers to put out multiple versions of the chip,
so you need to know which version you are dealing with!

Background Story of Mr Haim Shani

He holds a Bachelors degree in Management Engineering from Technion
- Israel Institute of Technology Engineering Management is the field
concerned with the application of engineering principles to the planning
and operational management of industrial and manufacturing operations.
Engineering Managers are prepared to plan and manage such operations.
Engineering Management programs typically include instruction in
accounting, engineering economy, financial management, industrial and
in that time **Mr Haim Shani had no idea about what is PLC
programmable logic controller.**

.

He serves as Director of Cardiosense Ltd.,
He serves as Director of Corpus Colossum Ltd

The story of Mr Haim Shani with Unitronics from 1999

Here some stories of Unitronics trying to have place in Airport City
markets 27,000 sqm to Maple, Unitronics has also bought 4,500 sq.m. In
Airport City. 15/10/2000 12:33:00 Elazar Levin Maple has rented 22,500
sq.m. Shell condition, in Airport City, at **$8 per sq**.m. Per month, index-
linked, in a 10-year lease.In the first half of 1999, Unitronics posted NIS
5.7 million revenues, and its net profit was NIS 239,000. The company
anticipates a rapid increase in revenues in the next few years.
Published by Israel's Business Arena September 21, 1999 during that
time Mr Haim Shani had no money to do any business in USA.

Unitronics, a manufacturer of programmable logic controllers (PLCs), is
in the process of an initial public offering on the EruoNM Belgium .the
subscription period for the 3,000,000 shares being offered at €3.72 is
from September 21 through October 15, 1999. Smeets Securities of
Antwerp is the lead underwriter, joined by Delta Lloyd Bank of
Amsterdam and Cyril Finance Gestion of Paris PLCs is computer-based
electronic devices used in automation to control machinery and other
systems. They are programmed to perform specific control tasks in real-
time and allow continuous closed loop control capabilities by processing
feedback from input sensors and activating output tasks. PLCs are used
in a variety of fields including the automotive, petrochemical, plastics,
textile, pharmaceutical, energy, packaging industries.

Generally, IP Australia Patent Office
(Summary No,6).
http://pericles.ipaustralia.gov.au/ols/auspat/quickSearch.do?queryString=
haim+shani&resultsPerPage.

Mr Haim Shani had no money to pay the fee of this patent in Australia
and the patent was lapsed.

### Background Story of Mr Seth Frielich VP Unitronics Inc,

Experienced Sales Leader, with proven history of success starting up, developing, training, and managing sales teams. Strategic planner, able to create and implement successful long-term strategies throughout organizations, leading to sustained growth.

NOTABLE CONTRIBUTIONS

- Sales grow between 18% and 50% per year, exceeding $5 million in 2008
- Interviewed, hired, trained, and managed sales agents nationally
- Started up divisions of multiple companies
- Sold to major accounts, including Black and Decker, Allied Signal., IBM, Xerox, Kodak, Ford, Minarik, Pitney-Bowes, Brown & Sharp, Varian, Kulicke and Soffa, Quad Systems,

HATCH TECHNOLOGY, DIRECTOR OF SALES January through March 2009

UNITRONICS, VP OF SALES AND MARKETING, AND GENERAL MANAGER 2000-2008 Unitronics is a foreign manufacturer of a unique product that combines a Programmable Logic Controller (PLC) with a Human Machine Interface (HMI). Started up the United States division of the company on consulting basis. As sales grew transitioned to running the company as the VP and GM. Focused on establishing a network of Sales Representatives covering the United States, and then building up the brand identity for the company.
The PLC programmable logic controller *M91-GSM* Mobile Phone from Unitronics without any patent rights.

Gharb- Unitronics-cars and trucks Companies- 38 -   09.30.2010
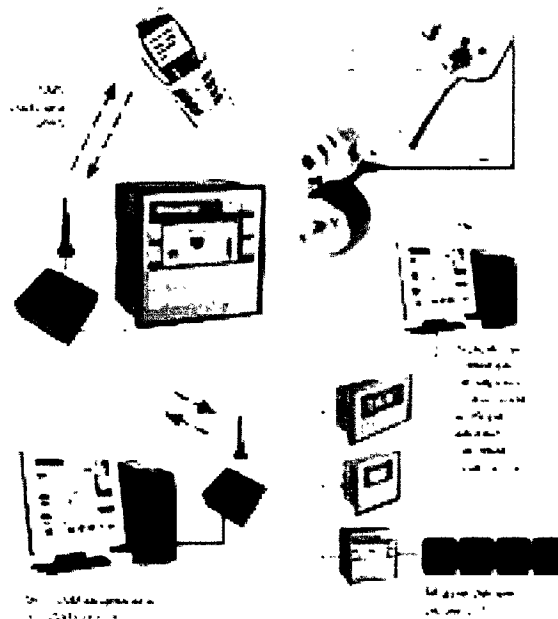
Background of the use of GSM Mobile phone

Everybody use Mobile Phone and Knows very well to send messages
with Phone number. You must put the line of GSM in position ON and
the pin code too and afterwards you can send the message with Phone
number and at the end, you have to close the line with position off. It is
quite simple and all this I invented as Novelty worldwide. This is the first
PLC, which can do this with GSM Mobile Phone, and Unitronics is not
legitimated to use this not only in USA but also in other countries in the
world because I received the American Patent and the International
Patent. Unitronics has done business during 10 years with only one
product PLC M 90 Programmable Logic Controllers and without any
capability to GSM Mobile phone.
Unitronics has done business with PLC M91 the new product with my
Function Blocks to use GSM capability starting from the year 2000 after
my US Patent No, 6. 552.654 published on 06.03.1999 this is a criminal
act and an unfair competition.
In the year 2000, Mr Haim Shani has written this in internet

The PLC programmable logic controller M90-GSM™ Mobile phone is a
new product, which allows wireless SMS (Short-Message-Service)
messages to be sent to and from a PLC to a cellular phone user via
cellular networks.
The PLC - M90-GSM™ Mobile phone enables remote-controlled
operation of machines and devices via GSM cellular communication
networks. Unitronics' customers can therefore remotely maintain
vending machines, refrigerating **trucks, building automation, fuel and
chemical tanks, highway traffic control systems, etc. - without the
need for on-site personnel.**
The Company believes that the introduction of M90 PLC -GSM™,
Mobile phone opens a new market for Unitronics the M90-GSM, a new
product that allows wireless SMS (Short-Message-Service) messages to
be sent to and from a PLC to a cellular phone user via cellular networks,
was introduced into the R&D plan for the year 2000. As much of the
groundwork for the development of the M90-GSM directly resulted from

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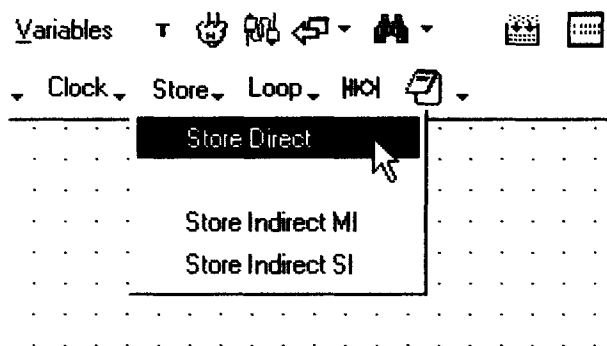the WebPLC™ project, the M90-GSM progressed quickly through the R&D process and has already been released to market.

"I am confident that we will continue to identify and embed the best of emerging communication technologies into our products" Eyal Saban, Unitronics' Chief Technology Officer commented recently. "I think the M90-GSM is going to have great impact. Mobile data communications and m-Commerce give the end-user a tremendous advantage."

The R&D team has carried out planned product development largely according to schedule in addition to developing the products mentioned above. (Summery No.7)

Mr Haim Shani has stored my function blocks in all PLCs to use with GSM mobile phone and Mr Haim Shani must have perception and realize that he cannot use **my US Patent 6552654 with function blocks drawing sheet (Fig 1 to Fig 6).**

The Function Blocks are summarized in the following table: PLC Relay No. Command Time

G Q9 Mobile telephone ON	01.00 s-02.40 s
G Q10 Pin Code 1	06.00 s-01.50 s
G Q11 Pin Code 2	08.00 s-01.50 s
G Q12 Pin Code 3	10.00 s-01.50 s
H Q13 Pin Code 4	12.50 s-01.50 s
H Q14 OK	14.00 s-01.50 s
H Q15 Emergency number	16.50 s-01.50 s
H Q16 OK	18.50 s-01.50 s
I Q17 Start emergency message	19.90 s-01.70 s
I Q18 Mobile telephone OFF	55.5s

Store means to store in the memory <u>and Mr Haim Shani has to understand this because he holds a Bachelors degree in Management Engineering from Technion and he</u> must have perception and realize that. Here is direct patent infringement because the boss of Unitronics has stored all my function blocks in PLC ready to use for the costumers directly in the United States .function blocks are the heart (main part) of this new technology of my US Patent 645,645. In addition, Unitronics is strictly not allowed to use to offer or to sell my Patent and this we can call it as criminal act and unfair competition.

Here are the Customers

Coca Cola Atlanta Vs, P o box 1734 Atlanta Georgia 30301 USA.
General Motors P.O. Box 33170 Detroit, MI 48232-5170 USA.
Volvo Cars of North America, LLC Volvo Drive P.O. Box 914 Rockleigh, New Jersey. 07647

*Saab Automobile USA PO BOX 33166 Detroit, MI 48232-5166 Phone:
800-955-9007.*
Fiat Automobile spia located in Corso Agnelli 200, Turin Italy.
Mercedes Benz USA   , LLC 3 Mercedes DRIVE   Montvale, NJ 07645.
<u>USA patent Law</u>

35 U.S.C. 271 Infringement of patent.
(a) Except as otherwise provided in this title, whoever without authority
makes, uses, offers to sell, or sells any patented invention, within the
United States, or imports into the United States any patented invention
during the term of the patent therefore, infringes the patent.
(b) Whoever actively induces infringement of a patent shall be liable as
an infringer.
(c) Whoever offers to sell or sells within the United States or imports
into the United States a component of a patented machine, manufacture,
combination, or composition, or a material or apparatus for use in
practicing a patented process, constituting a material part of the invention,
knowing the same to be especially made or especially adapted for use in
an infringement of such patent, and not a staple article or commodity of
commerce suitable for substantial no infringing use, shall be liable as a
contributory infringer.
(d) No patent owner otherwise entitled to relief for infringement or
contributory infringement of a patent shall be denied relief or deemed
guilty of misuse or illegal extension of the patent right by reason of his
having done one or more of the following: (1) derived revenue from acts
which if performed by another without his consent would constitute
contributory infringement of the patent; (2) licensed or authorized
another to perform acts which if performed without his consent would
constitute contributory infringement of the patent; (3) sought to enforce
his patent rights against infringement or contributory infringement;
(4) refused to license or use any rights to the patent; or (5) conditioned
the license of any rights to the patent or the sale of the patented product
on the acquisition of a license to rights in another patent or purchase of a
separate product, unless, in view of the circumstances, the patent owner
has market power in the relevant market for the patent or patented
product on which the license or sale is conditioned.

<u>35 U.S.C. 284 Damages.</u>

Upon finding for the claimant, the court shall award the claimant
damages adequate to compensate for the infringement but in no event,
less than a reasonable royalty for the use made of the invention by the
infringer, together with interest and costs as fixed by the court.
When a jury does not find the damages, the court shall assess them. In
either event, the court may increase the damages up to three times the
amount found or assessed. Increased damages under this paragraph shall
not apply to provisional rights under <u>section 154(d)</u> of this title.
The court may receive expert testimony as an aid to the determination of
damages or of what royalty would be reasonable under the circumstances.
(Amended Nov. 29, 1999, Public Law 106-113, sec. 1000(a) (9), 113
Stat. 1501A-566 (S. 1948 sec. 4507(9)).)

<u>Summary of the fact</u>

1. Unitronics has been a public trade company since October 1999 and at
that time no one of Unitronics team knew about of the new technology of

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13. For store, function blocks sheet drawing with Keyboard PC to use with GSM and Mr Shani must have perception and realize that.

14. Unitronics product for PLC – GSM from the year 2000 to 2009.
15. Mr Haim Shani wrote this with picture that he does business for Security System with PLC- GSM.

In a polite request I ask the United Stated District <u>Court for the District of Columbia to require an amount of compensation of 800.000.000 US $</u> from Mr haim Shani of Unitronics concerning of infringement of my US Patent 6,554,654 during the period from (<u>2000 – 2009)</u> and for these huge damages to my US Patent by doing business with all cars & trucks Companies (Volvo Cars of North America - Saab Automobile USA- Fiat Automobile- Mercedes Benz USA-PIRELLI- BMW- and Coca cola).And all this without any intellectual property rights from the year 2000.

Respectfully submitted

US Patent holder & International Patent Holder
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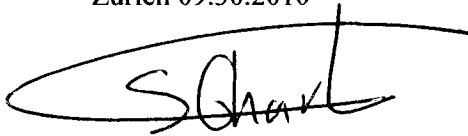
Zurich 09.30.2010

Includes
Summary

SUMMARY

US006552654B1

(12) **United States Patent**   (10) **Patent No.:**   **US 6,552,654 B1**
Gharb   (45) **Date of Patent:**   **Apr. 22, 2003**

(54) **SECURITY SYSTEM WITH A MOBILE TELEPHONE**

(76) Inventor: **Samy Gharb**, Bachtobelstrasse 30, CH-8045 Zurich (CH)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: **09/762,111**

(22) PCT Filed: **May 25, 2000**

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§ 371 (c)(1),
(2), (4) Date: **Apr. 5, 2001**

(87) PCT Pub. No.: **WO00/74983**

PCT Pub. Date: **Dec. 14, 2000**

(30) **Foreign Application Priority Data**

Jun. 3, 1999   (CH) 1042/99

(51) Int. Cl.^{7} **B60R 25/10**
(52) U.S. Cl. **340/426**; 340/998; 340/995; 340/573.1; 340/574; 340/539; 455/345; 455/517
(58) **Field of Search** 340/426, 988, 340/995, 573.1, 574, 539, 998; 455/345, 517

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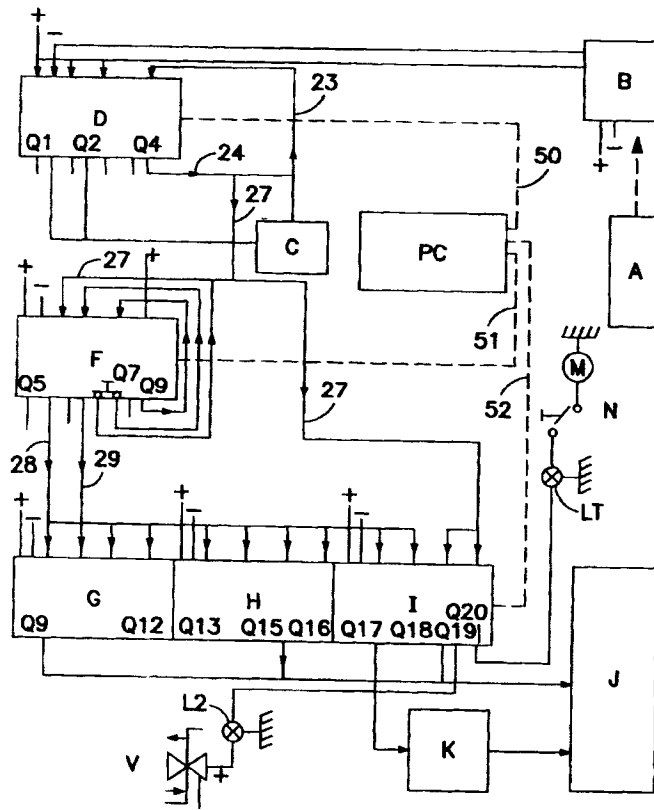* cited by examiner

Primary Examiner—Daniel J. Wu
Assistant Examiner—Hung Nguyen
(74) *Attorney, Agent, or Firm*—Burns, Doane, Swecker & Mathis, L.L.P.

(57) **ABSTRACT**

A security system is activated by a remote control (A) via a main relay (B) and an alarm signal is generated by a sensor unit (C) with at least one sensor. The alarm signal is processed in the PLC control units (D, F, G, H, I) and with a recording device (K), and the alarm information is transmitted in the form of adata set via a mobile telephone. The PLC control units are client-specifically programmed with a computer (PC) during the start-up process and the information is transmitted to them via a mobile line (50, 51, 52). The invention is suitable for use in the monitoring of vehicles and security cases. In particular, the security device can be integrated into a satellite locating system with which the position can be represented on a monitor.

10 Claims, 8 Drawing Sheets

FILED

FIG. 1

FIG. 2

FIG. 3

FIG. 4

FIG. 5

FIG. 6

FIG. 7

FIG. 8

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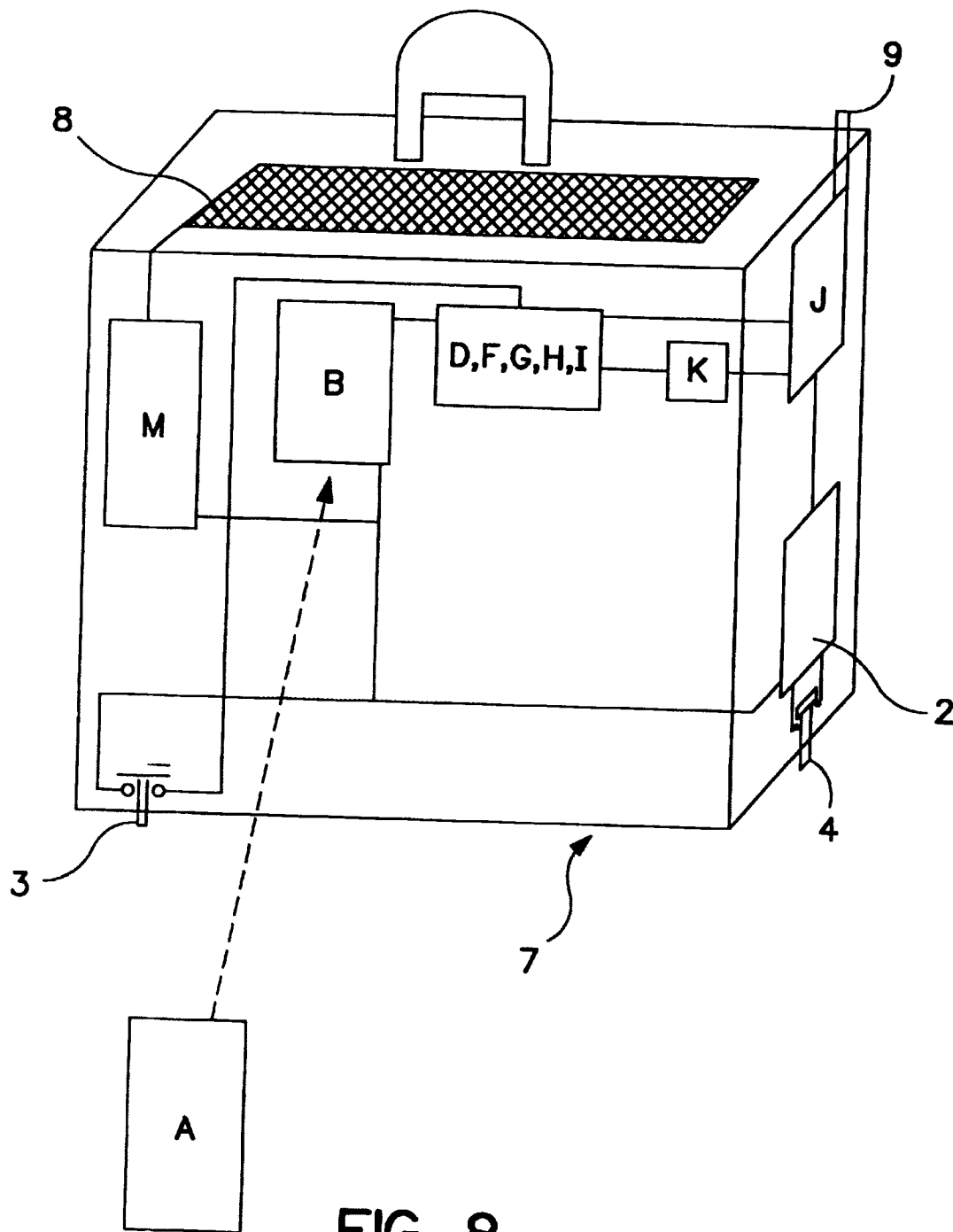## SECURITY SYSTEM WITH A MOBILE TELEPHONE

BACKGROUND OF THE INVENTION

1. Field of the Invention

The invention relates to a security system with a mobile telephone for monitoring objects, in particular vehicles and security cases, and a method for operating such a system.

2. Brief Description of the Related Art

The monitoring or protecting of objects, in particular vehicles and security cases, is becoming more and more important today.

Various security systems are known for protecting vehicles, for example, alarm systems with automatic alarm triggering, at the onset of which a loud horn signal is heard if unauthorized persons attempt to enter the vehicle. But if an unauthorized person is successful in deactivating the alarm system, the vehicle may be stolen, and its recovery frequently becomes an insurmountable problem.

SUMMARY OF THE INVENTION

It is the objective of the invention at hand to propose a security system in which the alarm is reported via a mobile telephone connection.

A further objective is to describe a method for operating a system in which a satellite locating system is included for locating the vehicle.

Still other objects, features, and attendant advantages of the present invention will become apparent to those skilled in the art from a reading of the following detailed description of embodiments constructed in accordance therewith, taken in conjunction with the accompanying drawings.

BRIEF DESCRIPTION OF THE DRAWINGS

The invention of the present application will now be described in more detail with reference to preferred embodiments of the apparatus and method, given only by way of example, and with reference to the accompanying drawings, in which:

FIG. 1 is shows a schematic portrayal of a security system with a mobile telephone.

FIG. 2 shows an overview circuit diagram of the PLC (Programmable Logic Controller) controller D.

FIG. 3 shows an overview circuit diagram of the PLC controller F.

FIG. 4 shows an overview circuit diagram of the PLC controller G.

FIG. 5 shows an overview circuit diagram of the PLC controller H.

FIG. 6 shows an overview circuit diagram of the PLC controller I.

FIG. 7 shows a security system with mobile telephone, integrated into a satellite locating system.

FIG. 8 shows a security system with mobile telephone, integrated into a security case.

DESCRIPTION OF THE PREFERRED EMBODIMENTS

Referring to the drawing figures, like reference numerals designate identical or corresponding elements throughout the several figures.

FIG. 1 shows a schematic portrayal of a security system with a mobile telephone, for example, by Natel.

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A main relay B is located on the input side at the 12 V power supply of a motor vehicle, while the outputs are connected with a first PLC (Programmable Logic Controller) controller D, transmit to it, and provide it with outputs Q1 to Q4. The main relay B is controlled by mean of a remote control A of a known type via an infrared interface, and is not described in detail.

The PLC controller D is used essentially to trigger the start of the alarm functions. For alarm detection, one or more of the sensors are combined into a sensor unit C. For this purpose, known proximity sensors (IR sensors) are provided as sensors and are located in the vehicle in such a way that they are able to emit an output signal as an alarm signal upon a door opening or window opening. As a rule, one sensor of this type is provided per door. For clarity, FIG. 1 shows only one sensor of this type. If several sensors are present, the outputs are switched in parallel.

Output Q1 is connected with the sensor unit C and emits the start signal for the operating readiness of the sensors.

Output Q2 is also connected with the control unit C and provides the start signal for the operating readiness of the sensors at night, which is accomplished via a timer and will be described later.

The time windows for operating readiness during the day and at night are individually freely selected by means of outputs Q1 and Q2; this results in high flexibility and is of great importance for low-cost system operation.

The sensor unit C is connected via lines 23 and 24 with the PLC controller D; i.e., the sensors are hereby kept active or passive within certain time windows. Line 23 transmits the start alarm signal of the sensor(s) of the sensor unit C for 30 seconds. Line 24, which connects output Q4 with the sensor unit, transmits the command alarm signal for 6 hours, so that an alarm signal can be actively transmitted within this time window.

The alarm signal that is supplied simultaneously via lines 24 and 27 to a second PLC controller F and a fifth PLC controller I is present at output Q4.

The PLC controller F with outputs Q5–Q8 is essentially used for alarm repetition or repeating the alarm signal. If, due to a busy mobile telephone connection, the alarm information cannot be transmitted, it is automatically repeated one or more times. Outputs Q5 and Q6 are provided, for example, for a first and second repetition, whereby the corresponding outputs are connected via lines 28 and 29 with a third PLC controller G, which is provided with outputs Q9–Q12.

Lines 28 and 29 are connected simultaneously with a fourth PLC controller H with outputs Q13–Q16 located parallel to PLC controller G and with a fifth PLC controller I with outputs Q17–Q20.

Outputs Q7 and Q8 provide the start signals for the repetition or respectively for the suppression of a repetition, i.e., Q7 for alarm signal No. 2 during the day and Q8 for suppressing alarm signal No. 2 at night.

PLC controllers G, H, and I essentially are used to activate a mobile telephone J and a digital recording device K as well as several other functions related to the vehicle, i.e., ignition and fuel pump.

Outputs Q9 to Q15 provide the four pieces of information necessary for starting the mobile telephone; i.e., at the output Q9 the command "mobile telephone ON," at output Q10 the command "1—code," at output Q11 the command "2—code," at output Q12 the command "3—OK," and at output Q15 the command "4—emergency number."

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Output Q17 is connected with the digital recording device K, in which the emergency message is stored, retrieved, and can be transmitted to the mobile telephone J. Output Q18 transmits the command "mobile telephone OFF."

Outputs Q19 or Q20, respectively, are used in case of an alarm to interrupt the power supply to the fuel pump V or respectively to the ignition N, whereby the display lamps L2 (red) and L1 (green) arranged in the corresponding circuits are no longer illuminated.

Naturally, the PLC controllers F, G, H, and I, the mobile telephone J, and the recording device K are also supplied over the same 12 V supply, which is only partially indicated.

All components of the security system except for the remote control are located in the vehicle at inconspicuous, barely visible places.

If, in case of an alarm, at least one of the sensors responds, the power supply to the fuel pump and ignition is interrupted, the emergency number is dialed in the mobile telephone, and the emergency text is transmitted. If the line is busy, the alarm information is repeated once or several times in freely selectable intervals, for example, every two minutes.

FIG. 1 furthermore shows a computer PC (Personal Computer) that is connected via mobile lines 50, 51, and 52 with PLC controllers D, F, and G, H, I. All necessary information for programming the PLC controllers from the PC or PC database are read via these lines, and the PC system is then disconnected from the security system. In this manner, the security system is programmed at the initial startup, so that customer preferences can easily be taken into consideration.

FIG. 2 shows the overview circuit diagram of the PLC controller D. A first timer function B01 or the block No. B01 defines a time window from 00.00 to 06.00, in which output Q1 is on "HIGH." Analogously, output Q2 is on 'HIGH' for a second timer function B02 in a time window from 06.01 to 23.59. Blocks No. B03 to B06 contain on and off switching functions.

FIGS. 3 to 6 show the overview circuit diagrams of the PLC controllers F, G, H, and I. Analogously to FIG. 2, they contain already described known functions, such as time functions and on/off functions (relays), and are not described in more detail.

In an exemplary embodiment that corresponds to FIG. 1 in its construction and is provided as a security system for a vehicle, five PLC controllers, a mobile telephone, and a digital recording device are used as control units.

The control functions are summarized in the following table:

PLC	Relay No.	Command	Time
D	Q1	System ON/OFF at night	00.00 H–05.59 H
D	Q2	System ON/OFF during the day	06.00 H–11.59 H
D	Q3	Reic	
D	Q4	Alarm signal for 6 h	01.00 s–06.00 H
F	Q5	Alarm signal No. 1	01.00 s–53.00 s
F	Q6	Alarm signal No. 2	01.00 m–01.53 m
F	Q7	Alarm signal No. 2 ON/OFF (NOR circuit)	
F	Q8	No alarm signal No. 2	00.00 H–05.59 H
G	Q9	Mobile telephone ON	01.00 s–02.40 s
G	Q10	Pin Code 1	06.00 s–01.50 s
G	Q11	Pin Code 2	08.00 s–01.50 s
G	Q12	Pin Code 3	10.00 s–01.50 s

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-continued

PLC	Relay No.	Command	Time
H	Q13	Pin Code 4	12.50 s–01.50 s
H	Q14	OK	14.00 s–01.50 s
H	Q15	Emergency number	16.50 s–01.50 s
H	Q16	OK	18.50 s–01.50 s
I	Q17	Start emergency message	19.90 s–01.70 s
I	Q18	Mobile telephone OFF	55.50 s–02.50 s
I	Q19	Solenoid ON (AND circuit)	
I	Q20	Ignition OFF (NOR circuit)	

One use of the security system with a mobile telephone according to the invention is in the localization of vehicles via a satellite locating system. A known system of this type is offered by Eutelsat under the name "EUTELTRACS-SYSTEM" and permits the determination of the location of vehicles with an accuracy of 100 meters (Ref. QTRACKS/400 system software for AS/400 computer systems by IBM).

FIG. 7 shows the security system with mobile telephone integrated into a satellite locating system.

A system for mobile satellite communications for vehicles is known under the name EUTELTRACS. Two geostationary EUTEL satellites, i.e., a communications satellite 10 and a positioning satellite 11 with a coverage of all of Western and Eastern Europe, the Mediterranean region, and the Middle East continuously send and receive messages sent by the mobile devices 12 and the terrestrial station 13 to the respective recipient. The positions of vehicles are thereby determined with an accuracy of 100 m. The terrestrial station is in communication with a service provider 14 who transmits all messages and positioning messages via terrestrial networks or satellite networks to the end customer. The latter has a Dispo-PC 15, i.e., a computer with screen on which a position can be displayed. This EUTELTRACS system is not described here in any more detail.

According to the invention, the security system 16 with mobile telephone is now built into the mobile device 12, which, as a rule, is a road vehicle, but also may be, for example, a motor yacht.

Should an alarm occur, the end customer is notified by mobile telephone on a telephone 17. He then turns on his PC 15, selects the position display, and is then able to initiate the tracking.

This makes it possible after an alarm to locate a stolen vehicle via the service provider on the screen of a PC, for example, in the street grid of a major city, and to track it.

FIG. 8 shows a security system with mobile telephone integrated into a security case for monitoring in a satellite locating system.

The components of the security system already described for FIG. 1, such as the main relay B, the PLC controllers D, F, G, H, I, the recording device K, and the mobile telephone J are built into a security case 1. A power supply 2 is connected on one side to the mobile telephone, the main relay, and a satellite communications device M, and on the other side via a switching element 3 to the PLC controllers. The switching element is attached inconspicuously on the underside of the security case and is constructed in such a way as a switch that the contact is closed when the security case is off the floor. Also on the underside of the security case is another switching element 4 that is connected to the power supply and activates it when it is picked up, thus starting the entire security system. For redundancy, several

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switching elements 3 and 4 may be provided. The security case is activated with a remote control A. All components are integrated in a side, the top, or the bottom of the case in a low-profile construction style, so that sufficient room for documents or similar items is left in the case itself.

From the satellite communications device M, an antenna cable leads to the antenna 8 that is provided for the reception of satellite signals. The antenna is mounted below the case top and not visible from the outside. A short antenna 9 of the mobile telephone J which is integrated, for example, into an edge element of the case, also is barely visible. The location of the case is continuously monitored on an IBM AS/400 computer system via the satellite communications device M and the already mentioned QTRACKS/400 system software (location display).

This fulfills a central condition for re-locating a security case.

While the invention has been described in detail with reference to preferred embodiments thereof, it will be apparent to one skilled in the art that various changes can be made, and equivalents employed, without departing from the scope of the invention. Each of the aforementioned documents is incorporated by reference herein in its entirety.

What is claimed is:

1. A security system for monitoring objects, comprising:

a digital recording device having at least one emergency message; and

a mobile telephone having at least one preselected emergency number;

a first Programmable Logic Controller (PLC) controller for initialing monitoring;

a second PLC controller for repeating an alarm signal; and

third, fourth, and fifth PLC controllers for activating a mobile telephone and a digital recording device;

at least one sensor for generating an alarm state connected to the first PLC controller;

a main relay for controlling the first PLC controller and which can be operated by a remote control;

a computer having mobile lines connectable to the five PLC controllers for programming the five PLC controllers; and

a data set for transmission to the mobile telephone including alarm information;

wherein the second PLC controller repeats the alarm signal if the line dialed by the mobile telephone in case of an alarm, is busy; and

wherein each time the second PLC controller repeats the alarm signal, the third, fourth and fifth PLC controllers activate the mobile telephone and the digital recording device.

2. A security system as claimed in claim 1, wherein the data set comprises a start signal, the at least one emergency number, and the at least one emergency message.

3. A security system as claimed in claim 1, wherein each of the controllers includes inputs and outputs, and wherein the outputs of the first PLC controller are connected to an input of the second PLC controller and of the fifth PLC controller, outputs of the second PLC controller are connected to inputs of the third, fourth, and fifth PLC controllers, outputs of the third and fourth PLC controllers are connected to an input of the mobile telephone, and outputs of the fifth PLC controller are connected to the recording device.

4. A security system as claimed in claim 1, wherein the fifth PLC controller is configured and arranged to control the ignition and the solenoid of the fuel pump of a vehicle.

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5. A method of using a security system comprising the steps of:

providing a security system as claimed in claim 1;

positioning the security system inside a security case, the security case including

an underside having at least one switching element for triggering the alarm and at least one switching element for releasing the power supply;

a satellite communications device connected to the security system and having an antenna for communicating with a satellite locating system; and

operating the security system for locating vehicles.

6. The method of claim 5, wherein when the security case is not in contact with a surface, the at least one switching element for the triggering the alarm triggers the alarm and the at least one switching element for releasing the power supply connects the power supply to at least one of the PLC controllers.

7. A method for operating a security system comprising the steps of:

providing a security system as claimed in claim 1;

entering the alarm signal and the alarm information in the PLC controllers into the mobile telephone and digital recording device, which establishes a data set;

activating the operating status via the main relay by means of the remote control;

generating an alarm signal via the at least one sensor of the sensor unit;

transmitting the alarm signal to the first PLC controller, and from the first PLC controller to the second PLC controller;

transmitting the alarm signal at least once to the third, fourth, and fifth PLC controllers, the outputs of which are used to control the mobile telephone and the recording device; and

transmitting the data set via the mobile telephone, wherein the data set is compiled from the at least one emergency number stored in the mobile telephone, the emergency message stored in the recording device, and start and initialization signals from the third and fourth PLC controllers.

8. A method as claimed in claim 7, further comprising the steps of:

operably connecting the security system to a vehicle having an ignition power supply and a fuel pump solenoid;

interrupting the vehicle ignition power supply; and

blocking the fuel pump solenoid.

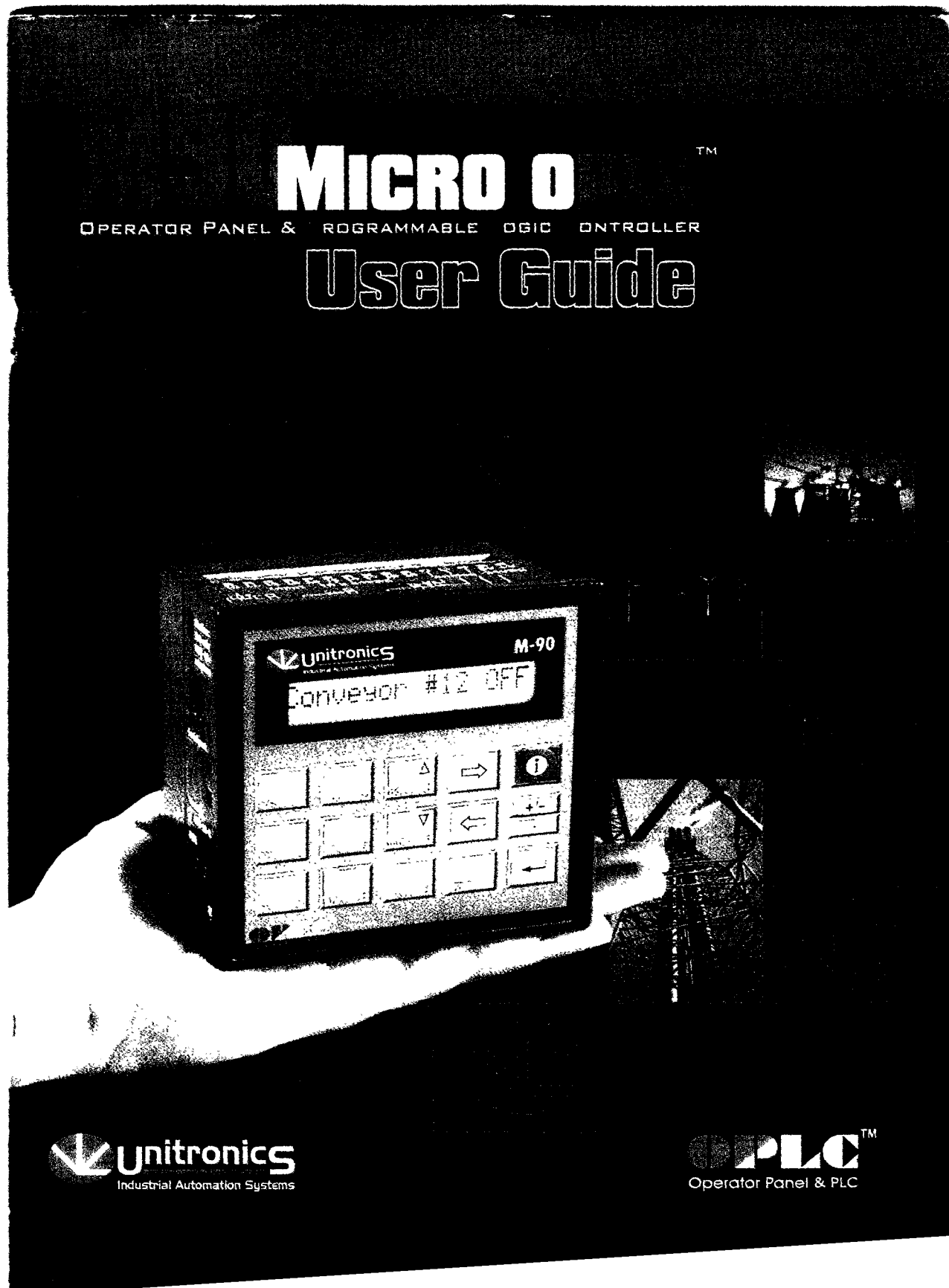9. A method as claimed in claim 7, further comprising the step of:

repeating the alarm signal in the second PLC controller at least once if the line dialed in case of an alarm by the mobile telephone is busy, to cause the line to be redialed.

10. A method as claimed in claim 7, further comprising the steps of:

operably connecting the security system to a vehicle having a power supply;

supplying the security system with power via the vehicle power supply, except for the remote control that is operated externally and with a battery.

* * * * *

S2

MICRO O ™

OPERATOR PANEL & PROGRAMMABLE LOGIC CONTROLLER

User Guide

Conveyor #12 OFF

unitronics
Industrial Automation Systems

PLC ™
Operator Panel & PLC

Chapter 1: Overview

Introducing the M90 Micro OPLC

The M90 is a micro OPLC[1]; a compact controller that contains a fully integrated operating panel. It is a fine device for simple control tasks, both household and industrial. The M90 comes in different models offering a variety of capabilities, including analog control, CANbus and expansion ports. These M90 features give it the flexibility to control both time and ambient condition based processes.
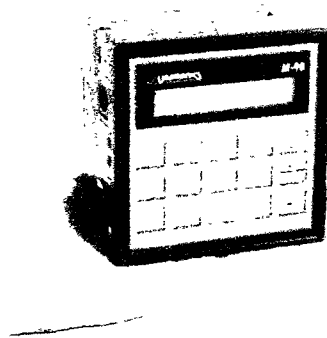

Figure 1. The M90

The operating panel shown in Figure 1 provides the operator interface. The M90 operating panel contains an LCD text display screen and a keypad. The LCD screen can be used to display operating instructions, a feature that makes the M90 very easy to use. The operator uses the keypad to communicate information to the M90 or to modify existing data. This communication interface between the M90 and operator is referred to as the HMI, or Human Machine Interface, throughout this manual.

The M90 operating panel offers an additional feature called Information Mode. Information Mode allows the operator to view certain types of system data such as input status or timer values.

The M90 web site can be found at www.unitronic.com/m90/index.htm. Check this site frequently for product updates, new M90 applications and programming tips.

---

[1] Acronym for Operating panel + Programmable Logic Controller.

---

without any

function Block with

GSM

Fact

UNITRONICS UNITRONICS M_0/M91/Jazz OPLC™

| PLC Modem Configuration |

Init Strings: +++
                   ATH
                   AT
                   ATS0=1

Use Modem: Disabled

Advanced:

     Modem TimeOut: Reply = 1.2 sec
     Modem TimeOut: Dial = 65 sec

Dial System: Not Defined

Telephone Numbers: 1:
                      2:
                      3:
                      4:
                      5:
                      6:

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Clerk, U.S. District & Bankruptcy
Courts for the District of Columbia

| Store integer into timer200.U90 | Page 1 | 04.23.07 18:57:37 |

U90

GSM PIN Code via MI

Use this utility to use an MI vector to supply a GSM modem PIN code. When you use this function, the controller will look for the number in the MIs, bypassing the PIN code in the SMS message dialog box.

Note that since there is no Ladder element for this function; you perform it by:

- Storing the start address of the MI vector needed to contain the PIN into SI 141,
- Storing 410 into SI 140 to select the function. Storing the function number calls the function. In your application, call the function **after** you have entered all of the other parameters. Note that when you run Test (Debug) Mode, the current value in SI 140 will **not** be displayed.

The PIN code should be called before the modem is initialized; the function should therefore be called as a power-up task.

Note that if the MIs contain an incorrect PIN code format, the error will be indicated by Error message #18 in SI 180—Illegal PIN Format.

GSM PIN Code via MI: Function Number 410
PIN Code: 25454123

U90
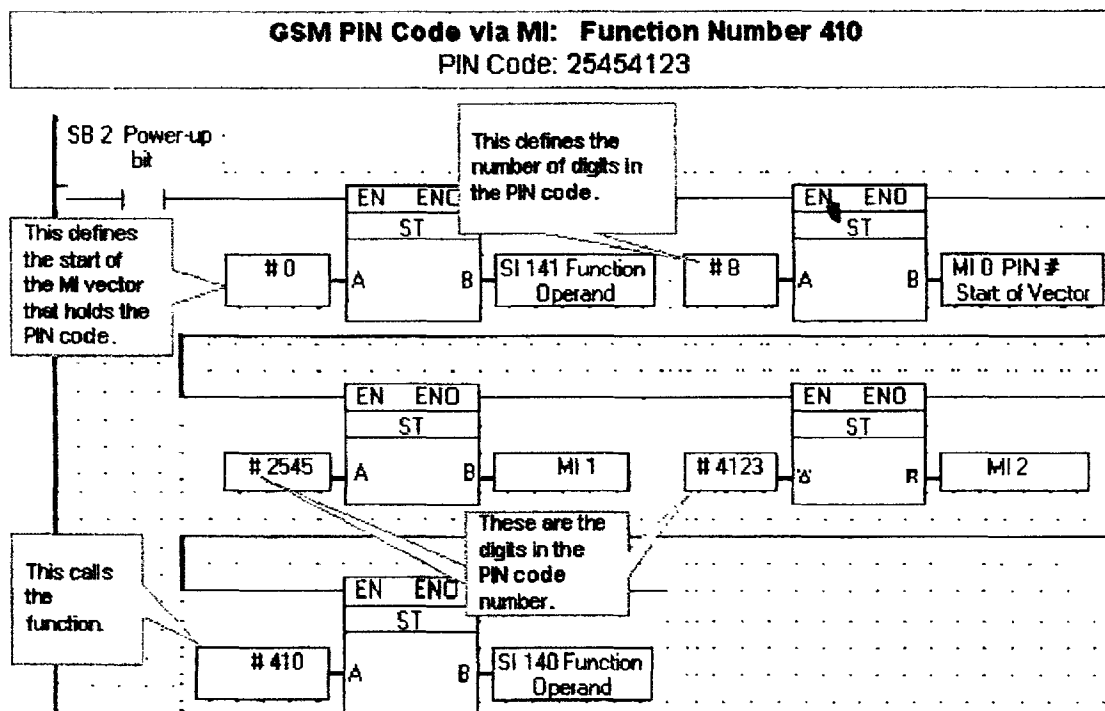
SMS Phone Number: via MI Pointer

Use this utility to use an MI vector as one of the phone numbers in the SMS phone book. This allows you to:
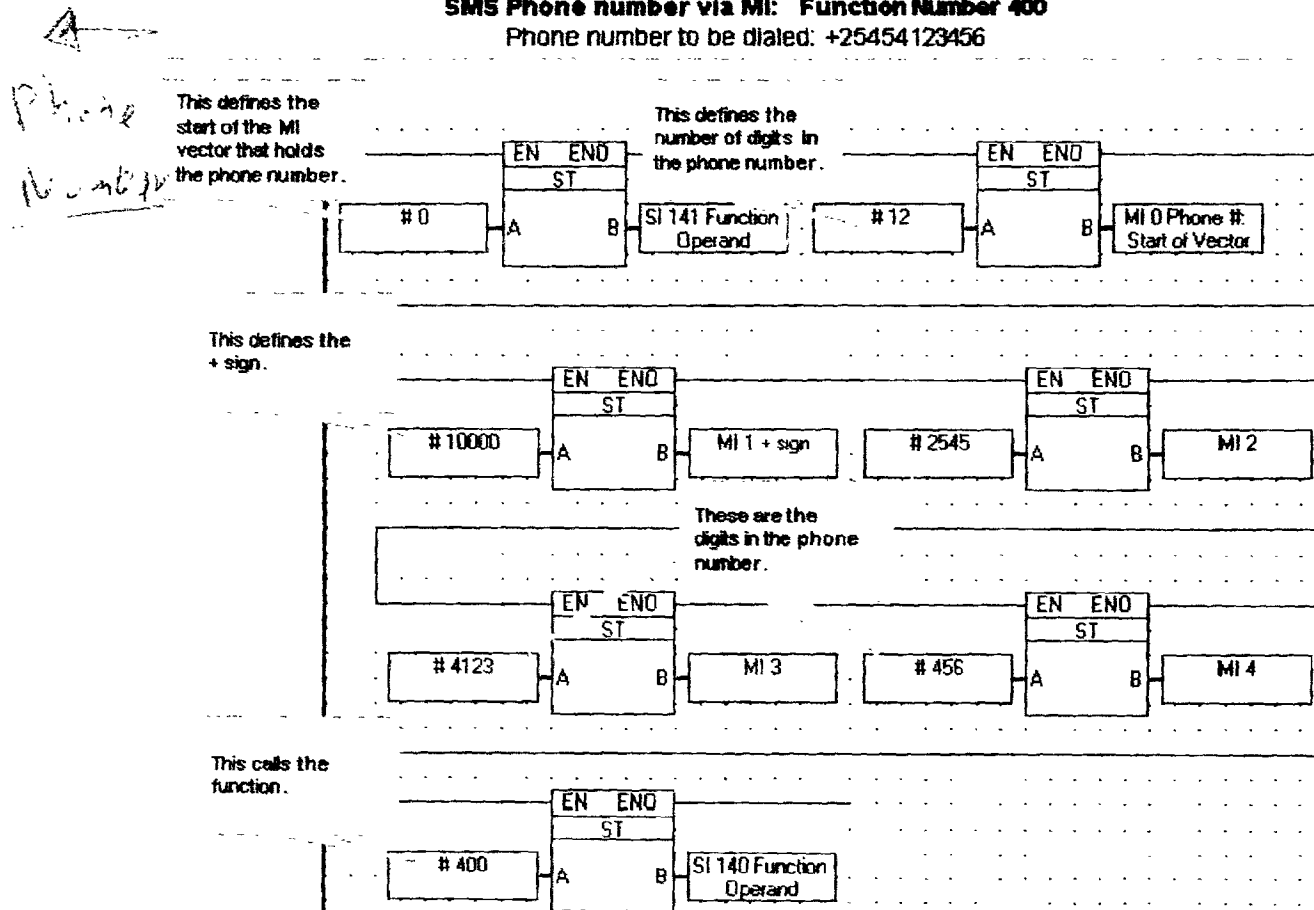
- Enable a number to be dialed via the PLC's keypad.
- Exceed the 6 number limit of the SMS phone book.

Note that since there is no Ladder element for this function; you perform it by.

- Storing the start address of the MI vector needed to contain the phone number into SI 141,
- Entering the character's MI, in capital letters, in the
- Using the index number of that line to call the number, which enables the number in the MI vector to be called,
- Storing 400 into SI 140 to select the function. Storing the function number calls the function. In your application, call the function **after** you have entered all of the other parameters. Note that when you run Test (Debug) Mode, the current value in SI 140 will **not** be displayed.

SMS Phone number via MI: Function Number 400
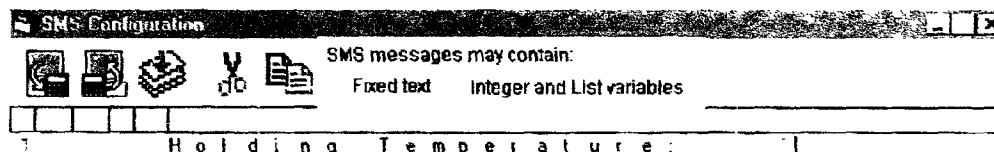Phone number to be dialed: +25454123456

U90

Creating SMS messages

You can create up to 99 SMS messages, or up to a total of 1k, whichever comes first. Each SMS message can contain up to 140 characters. SMS messages can include both fixed text and variable data.

Creating SMS text messages

Note that you must use the English character set to write SMS messages.

1 Open the SMS editor by selecting SMS Configuration from the Controller menu
2. Enter fixed text by placing your cursor within a line and typing normally. You may use any keyboard symbols except for number symbols (#). These have a specific purpose which is described below.

1 Cut and copy messages by clicking on the Cut button. This removes all of the text and variables from a message, but does not delete the line.
2. Copy messages by clicking on the Copy button. This copies all of the text and variables.
3. Paste by clicking on the Paste button. You can paste over an existing message This action erases any information in the line.
4. Use the Insert button to add a line below the line containing the cursor.
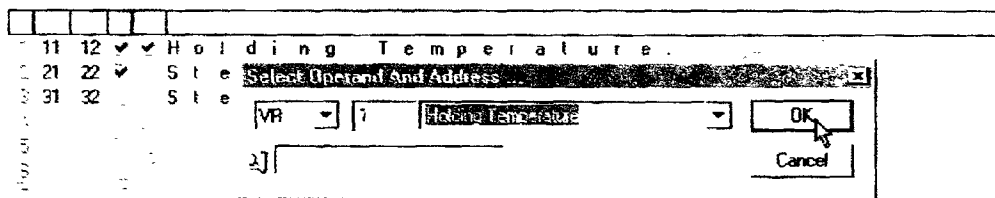5. Use the Delete button to remove a line below the line containing the cursor.

Attaching variables

You can attach up to 9 integer or list variables to an SMS message. Each variable can include up to 16 characters. Attaching variables to an SMS message is similar to attaching variables to an HMI display. However, the variable must already be in the variable list—you cannot link a variable before it has been created.
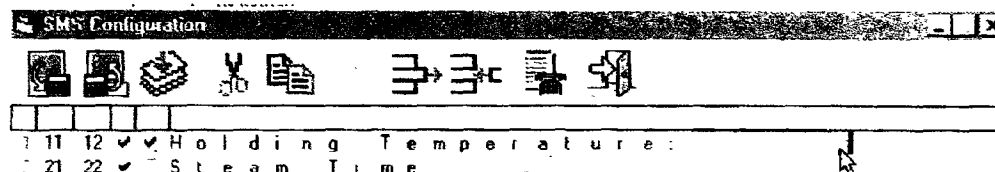
Integer variables can be sent and received with SMS messages. List variables can only be sent to a cell phone.
As with HMI variables, you must create a Display Field for the display of the variable's value.

1 Click your cursor where you want to locate the variable text.
2. Hold down the **Shift** key on your PC keyboard, while you press the right-pointing arrow key. A square is highlighted each time you press the arrow key. The first square displays the number of highlighted squares.
3 Release the **Shift** key. The Select Operand and Address box opens
4. Enter the variable number and description, then click OK as shown below.

5 The SMS message now appears together with the variable field.

Deleting variables

1. Place your cursor in the highlighted Variable field.
2. Press the Backspace or Delete key until the entire field is erased.

Testing messages

1. To test your messages, click on the Compile button. If, for example, you have attached 'illegal' variables—not integer or list variables—the first illegal variable will be displayed.

Related Topics

Configuring SMS messaging features

Sending SMS messages from a cell phone

PCT/IL 0 0 / 0 0 4 4 3

IL 00X443

4

מדינת ישראל
STATE OF ISREAL

REC'D **29 AUG 2000**

WIPO   PCT

Ministry of Justice
Patent Office

משרד המשפטים
לשכת הפטנטים

This is to certify that

annexed hereto is a true

copy of the documents as

originally deposited with

the patent application

of which particulars are

specified on the first page

of the annex.

זאת לתעודה כי

רצופים בזה העתקים

נכונים של המסמכים

שהופקדו לכתחילה

עם הבקשה לפטנט

לפי הפרטים הרשומים

בעמוד הראשון של

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Certified
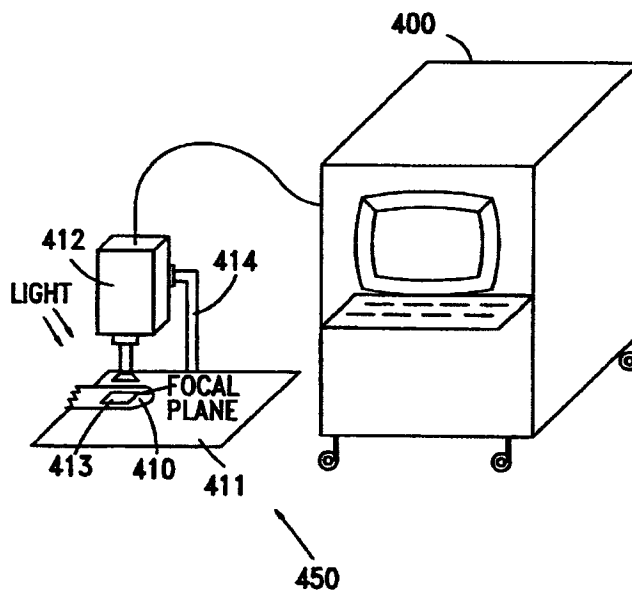
Clerk, U.S. District & Bankruptcy
the District of Columbia

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(71) Applicants and
(72) Inventors: SHANI, Haim [IL/IL]; 83 Adolam Street, 73142 Shaham (IL). SHAVIT, Ittai [IL/IL]; 58A Herzl Street, 22401 Nahariya (IL).

(74) Agents: LUZZATTO, Kfir et al.; Luzzatto & Luzzatto, P.O. Box 5352, 84152 Beer Sheva (IL).

(54) Title: AN IMPROVED METHOD AND APPARATUS FOR THE DETECTION OF MEDICAL CONDITIONS OF SHOCK AND PRE-SHOCK

WO 01/06926 A1

(57) Abstract: Method and apparatus for the diagnosis and/or early detection of physiological distress in a patient and of recovery of a patient from actual state of physiological distress by measuring the filling time of blood vessels subjacent to an area of the skin of the patient. An image of an area to be gauged for color is acquired, so as to obtain a base-line color measurement. The filling time of blood vessels in the area is determined by comparison of the color of one or more additional images of the gauged area with the base-line measurement.

PCT/IL00/00443

(4

PATENT COOPERATION TREATY

PCT

NOTIFICATION OF THE RECORDING OF A CHANGE

(PCT Rule 92bis.1 and
Administrative Instructions, Section 422)

From the INTERNATIONAL BUREAU

To:
LUZZATTO, Kfir Luzzatto & Luzzatto P.O. Box 5352 84152 Beer Sheva ISRAËL

Date of mailing (day/month/year) 07 December 2001 (07.12.01)

Applicant's or agent's file reference 8576/WO/99+	**IMPORTANT NOTIFICATION**
International application No. PCT/IL00/00443	**International filing date** (day/month/year) 25 July 2000 (25.07.00)

1. The following indications appeared on record concerning:

[X] the applicant   [ ] the inventor   [ ] the agent   [ ] the common representative

Name and Address	State of Nationality	State of Residence
	Telephone No.	
	Facsimile No.	
	Teleprinter No.	

2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:

[X] the person   [X] the name   [X] the address   [X] the nationality   [X] the residence

Name and Address	State of Nationality IL	State of Residence IL
CARDIOSENSE LTD. P.O. Box 212 Nesher 36601 Israel	Telephone No.	
	Facsimile No.	
	Teleprinter No.	

3. Further observations, if necessary:
New applicant for all designated States except the US. SHANI, Haim and SHAVIT, Ittai are now applicant/inventors for the US only.

4. A copy of this notification has been sent to:

[X] the receiving Office   [ ] the designated Offices concerned

[ ] the International Searching Authority   [ ] the elected Offices concerned

[ ] the International Preliminary Examining Authority   [ ] other:

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer Athina NICKITAS-ETIENNE
Facsimile No.: (41-22) 740.14.35	Telephone No.: (41-22) 338.83.38

Form PCT/IB/306 (March 1994)   004520465

חוק הפטנטים, תשכ"ז-1967

Patent Law, 5727 - 1967

בקשה לפטנט

Application for Patent

למישוש הליישכה For Office Use		
מספר: Number	131245	
תאריך: Date	04-08-1999	
הוקדם/נדחה Ante/Post-Dated		

אני, (שם המבקש, מענו ולגבי גוף מאוגד - מקום התאגדותו)

I, (Name and address of applicant, and in case of body corporate-place of incorporation)

1. חיים שני
רח' עדולם 83
שהם 73142
Haim SHANI

2. איתי שביט
רח' הרצל 58א'
נהריה 22401
Ittai SHAVIT

בעל ההמצאה מכח _____ ה ד י ן   THE LAW _____ ששמה הוא

Owner, by virtue of   an invention the title of which is

(בעברית)
(Hebrew)

שיטה ומכשיר משופרים לאיבחון מצב הלם או טרום-הלם

(באנגלית)
(English)
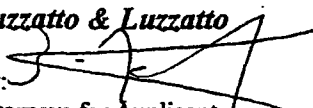
**AN IMPROVED METHOD AND APPARATUS FOR THE DIAGNOSIS OF
ACTUAL OR PRE-SHOCK STATE**

hereby apply for a patent to be granted to me in respect thereof.   מבקש בזאת כי ינתן לי עליה פטנט

*בקשת חלוקה - Application of Division	*בקשת פטנט מוסף - Application for Patent Addition	*דרישה דין קדימה Priority Claim		
*מבקשת פטנט from Application מס' _____ Nº dated _____ מיום	*לבקשה/לפטנט to Patent/Appl. מס' _____ Nº dated _____ מיום	מספר/סימן Number/Mark	תאריך Date	מדינת האיגוד Convention Country
*יפוי כח: כללי / ~~מיוחד~~ ~~רצוף בזה~~/ עוד יוגש P.O.A.: general / ~~individual~~ ~~attached~~ / to be filed later filed in case _____ הוגש בענין				
המען למסירת מסמכים בישראל Address for Service in Israel לוצאטו את לוצאטו ת.ד. 5352 באר שבע 84152 מספרנו: 8576/99				
חתימת המבקש Signature of Applicant *Luzzatto & Luzzatto* By: Attorneys for Applicant	1999 שנה אוגוסט בחודש 3 היום of the year of This למישוש הליישכה			

טופס זה כשהוא מוטבע בחותם לישכת הפטנטים ומצויין בו מספר ותאריך ההגשה, הינו אישור להגשת הבקשה שפרטיה רשומים לעיל.

This form, impressed with the Seal of the Patent Office and indicating the number and date of filing, certifies the filing of the application the particulars of which are set out above.

מחק את המיותר   * Delete whatever is inapplicable

Unitronics PLC / Operator Panel

Jazz Series Micro PLC & HMI

Jazz is a Micro PLC with on-board I/O, plus a full-function Operator Panel with numeric keypad. It is an ideal replacement for "smart relays" as it is a smarter, more powerful device, at the same low pricing.

Jazz is perfect for simple electric boards to complex production lines. Its high-speed inputs and remote comms options make it an economic choice for water and agriculture applications, industrial lighting, automatic barriers/doors, air conditioning, etc.

The PLC includes 24K (virtual) of Ladder programming software, math, store/load, compare, clock, and vector operations functions.

The HMI has a LCD illuminated text display (2-line x 16-character) and 60 user-designed HMI screens. It is used to display operator instructions, messages or variable data (time, date, bit status, integer values, etc).

Programming Kits and Accessories are supplied separately.

Model	Description	EMC Code	Price
JZ10-11-R10	Inputs: 6 digital Outputs: 4 relay	UT 12 000	$200.00
JZ10-11-R16	Inputs: 6 digital, 2 digital/analog (0-10V), 2 analog (0-20mA) Outputs: 6 relay	UT 12 001	$240.00
JZ10-11-T10	Inputs: 6 digital Outputs: 4 transistor	UT 12 002	$200.00
JZ10-11-T17	Inputs: 6 digital, 2 digital/analog (0-10V), 2 analog (0-20mA) Outputs: 7 transistor	UT 12 003	$240.00
JZ10-11-R31	Inputs: 16 digital, 2 digital/analog (10 bit, 0-10V), 2 analog (10 bit, 0/4-20mA) Outputs: 11 relay	UT 12 004	$290.00
JZ10-11-T40	Inputs: 16 digital, 2 digital/analog (10 bit, 0-10V), 2 analog (10 bit, 0/4-20mA) Outputs: 20 transistor	UT 12 005	$330.00
JZ10-11-PT15	Inputs: 3 digital, 3 digital/analog (10 bit, 0-10V), 3 PT1000 / NI1000 Outputs: 5 relay, 1 transistor	UT 12 006	$400.00
Programming and Accessories			
JZ-PRG	Programming Kit. Includes: CD, add-on port, cable, D-type adapter	UT 12 200	$100.00
MJ20-MEM1	Programme Cloner	UT 12 201	$100.00
JZ-RS4	Com port kit: RS232 / RS485 add-on port, cable and adapter	UT 12 202	$155.00

M90 / M91 Series PLC & HMI

M90 and M91 Controllers combine a micro PLC with a fully integrated operator panel and are exceptional control devices for all entry-level applications.

LCD text display: - single line x 16 character.
 - two line x 16 character

They are 24Vdc powered (some 12Vdc), available in expandable and non-expandable versions and can be panel or DIN-Rail mounted. Models are available with CANbus options and a special module enables remote messaging via the GSM Network to a cellphone.

Each controller comes complete with:
Programming Software, User Guide, Programming Cable and Mounting Hardware
Expansion Modules and GSM Kit (see page 5)
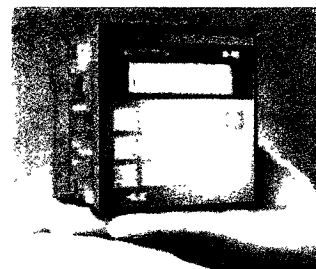
| Model	Description	EMC Code	Price
M90-19-B1A	10 inputs, 6 outputs, 1 analog input. No expansion port	UT 10 100	$765.00
M90-T	8 inputs, 6 outputs. No analog I/O. No expansion port	UT 10 001	$655.00
M90-TA2-CAN	10 inputs, 8 outputs, 2 analog in, 1 analog out. With expansion and CANbus ports	UT 10 303	$1315.00
M91-2-R1	10 inputs, 6 outputs, 1 analog input	UT 11 200	$825.00
M91-2-R2C	10 inputs, 6 outputs, 2 analog inputs. With CANbus ports	UT 11 202	$1095.00
M91-2-R6C	6 inputs, 6 outputs, 6 analog inputs. With CANbus ports	UT 11 203	$1155.00
M91-2-R34	22 inputs, 12 outputs, 2 digital/analog inputs	UT 11 209	$1185.00
M91-2-RA22	12 inputs, 8 outputs, 2 PT100/thermocouple inputs, 2 analog outputs	UT 11 210	$1480.00
M91-2-T1	12 inputs, 12 outputs. No analog I/O	UT 11 201	$880.00
M91-2-T38	22 inputs, 16 outputs. No analog I/O	UT 11 204	$1155.00
M91-2-T2C	10 inputs, 12 outputs. 2 digital/analog inputs	UT 11 205	$1095.00
M91-2-UN2	10 inputs, 12 outputs. 2 PT100/TC/digital/analog inputs	UT 11 206	$1290.00
M91-2-UA2	10 inputs, 10 outputs, 2 TC/analog/digital inputs, 2 analog outputs	UT 11 207	$0.00

Unitronics **PLC / Operator Panel**

V120 Series PLC & HMI

The Vision 120 Series is a compact PLC and Graphic Operator Interface that comes complete with: Programming Software, User Guide, Programming Cable and Connectors.

It enables programming of the PLC and HMI in a single environment and eliminates PLC-HMI communication. It saves I/O points, reduces hardware, simplifies assigning functions to keys and data is entered via the keyboard.
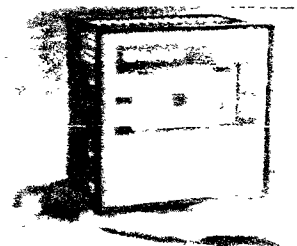
a variety on on-board inputs and outputs (expandable by 128 I/O - see Expansion Modules on following pages), 96K ladder code memory and 2 x RS232/485 Ports.

features an illuminated 128 x 64 pixels Graphic STN LCD display, up to 255 user-designed displays, a 16-key keypad and text messages up to 8 lines x 22 characters.

Model	Description	EMC Code	Price
V120-22-R1	10 digital inputs, 6 relay outputs, 1 analog input, 12/24Vdc, 2 x RS232/485	UT 40 100	$1485.00
V120-22-R2C	10 digital inputs, 6 relay outputs, 2 analog inputs, 12/24Vdc, 2 x RS232/485, CANbus	UT 40 101	$1675.00
V120-22-T1	12 digital inputs, 12 transistor outputs, 12/24Vdc, 2 x RS232/485	UT 40 103	$1485.00
V120-22-T38	22 digital inputs, 16 transistor outputs, 24Vdc, 2 x RS232/485	UT 40 104	$1745.00
V120-22-UN2	10 digital inputs, 12 transistor outputs, 2 universal inputs (TC / PT / analog / digital), 12/24Vdc, 2 x RS232/485	UT 40 102	$1815.00
V120-22-UA2	12 digital inputs, 10 relay outputs, 2 analog outputs, 2 universal inputs (TC / PT / analog / digital), 24Vdc, 2 x RS232/485	UT 40 106	$1925.00
V120-22-R6C	6 digital inputs, 6 relay outputs, 6 analog inputs, 24Vdc, 2 x RS232/485, CANbus	UT 40 107	$1730.00
V120-22-T2C	10 digital inputs, 12 transistor outputs, 2 analog/digital inputs, 12/24Vdc, 2 x RS232/485, CANbus	UT 40 108	$1675.00
V120-22-R34	20 digital inputs, 12 relay outputs, 2 analog/digital inputs, 2 x RS232/485	UT 40 109	$1780.00
V120-22-RA22	8 digital inputs, 2 analog / digital inputs, 2 PT100 / TC / digital inputs, 8 relay outputs, 2 analog outputs, 24Vdc, 2 x RS232/485	UT 40 110	$1925.00

V130 Series PLC & HMI

The Vision 130 Series is a compact PLC with on-board I/Os and a versatile Graphic Operator Interface. Each V130 comes complete with: Programming Software, User Guide, Programming Cable and Connectors.

Typical features:

> Logic memory: 512K
> Scan time: 20µsec per 1K of typical application
> Up to 38 on-board I/Os: expandable up to 166 (see Expansion Modules)
> I/O options include digital, analog, temperature and weight
> Recipe programming and datalogging
> Auto-tune PID: up to 24 independent loops

> Display: 128 x 64 pixels, Graphic STN LCD, white LED backlight
> 1024 displays, 500 images per application
> Application memory: Images - 256K, Fonts - 128K
> 20 programmable keys, including 10 user-labeled keys

Model	Description	EMC Code	Price
V130-33-R2	10 digital inputs, 2 analog/digital inputs, 6 relay outputs, 24Vdc, 1 x RS232/485	UT 41 000	$1485.00
V130-33-T2	10 digital inputs, 2 analog/digital inputs, 12 transistor outputs, 24Vdc, 1 RS232/485	UT 41 001	$1485.00
V130-33-R34	20 digital inputs, 2 analog/digital inputs, 12 relay outputs, 24Vdc, 1 x RS232/485	UT 41 002	$1780.00
V130-33-T38	20 digital inputs, 2 analog/digital inputs, 16 transistor outputs, 24Vdc, 1 RS232/485	UT 41 003	$1780.00
V130-33-RA22	8 digital inputs, 2 analog/digital inputs, 2 TC/PT/digital inputs, 8 relay outputs, 2 analog outputs, 24Vdc, 1 x RS232/485	UT 41 004	$1925.00
V130-33-TA24	8 digital inputs, 2 analog/digital inputs, 2 TC/PT/digital inputs, 10 transistor outputs, 2 analog outputs, 24Vdc, 1 x RS232/485	UT 41 005	$1925.00
V100-17-RS4	1 x RS232/485 Port	UT 91 000	$95.00
V100-17-RS4X	1 x RS232/485 Port (isolated)	UT 91 001	$165.00
V100-17-ET2	1 x Ethernet Port	UT 91 002	$425.00
V100-17-CAN	1 x CANbus Port	UT 91 003	$215.00

Unitronics **PLC / Uperator Panel**   *EMC*

Vision Series PLC & HMI with Snap-in I/O

The UNITRONICS Vision Series is a compact PLC with
snap-in I/Os and a versatile Graphic Operator Interface with
keyboard and / or touchscreen.

The Vision Series enables programming of the PLC and HMI in
a single environment and eliminates PLC-HMI communication.

It saves I/O points, reduces hardware, simplifies assigning
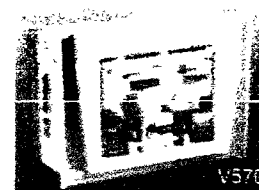functions to keys and data is entered via the keyboard or
touchscreen.

Each Vision Controller comes complete with:
  PLC and graphic HMI
  120k database for data logging
  Programming software
  User guide, mounting hardware, connectors, communication
  cable and extra set of key labels

I/O Options:
Selectable I/O Snap-in Modules are added to the base model to
provide a compact system.

Alternatively, if remote I/O is preferred, or if additional I/O
's required, a wide range of Expansion modules are
available (see page 53).

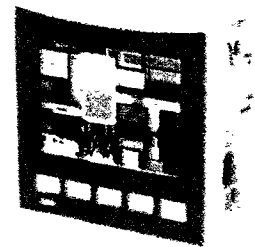| Model	Description	EMC Code	Price
V230-13-B20B	Graphic display: 128 x 64 pixels. Text: up to 8 lines x 22 characters Expansion Option, CANbus, 1 x RS232 & 1 x RS232/RS485	UT 60 000	$1485.00
V260-16-B20B	Graphic display: 240 x 64 pixels. Text: up to 8 lines x 40 characters Expansion Option, CANbus, 1 x RS232 & 1 x RS232/RS485	UT 60 001	$1730.00
V280-18-B20B	Graphic LCD Touchscreen: 320 x 240 pixels, 4.7" active area. 27-key keyboard. Expansion Option, CANbus, 1 x RS232 & 1 x RS232/RS485	UT 60 002	$2075.00
V290-19-B20B	Graphic LCD Touchscreen: 320 x 240 pixels, 5.7" active area. Virtual keyboard. Expansion Option, CANbus, 1 x RS232 & 1 x RS232/RS485	UT 60 003	$2075.00
V530-53-B20B	Graphic LCD Touchscreen: 320 x 240 pixels, 5.7" active area. Virtual keyboard. Expansion Option, CANbus, 1 x RS232 & 1 x RS232/RS485	UT 60 005	$2075.00
V570-57-T40B	TFT LCD display, 256 colours. Fluorescent back lighting 5.7" Touchscreen: 320 x 240 pixels QVGA Up to 1024 user-designed screens Up to 12 independent PID loops (up to 32 loops with external auto-tune) 2 x RS232/485 ports and optional Ethernet port 2 MB application memory size	UT 60 004	$2970.00
V570-57-T20B	As above but with LED back lighting	UT 60 007	$2599.00
V200-18-E1B	Inputs: 16 digital and 3 analog (10 bit) Outputs. 10 relay and 4 transistor	UT 70 000	$495.00
V200-18-E2B	Inputs: 16 digital and 2 analog (10 bit) Outputs. 10 relay, 4 transistor and 2 analog (12 bit)	UT 70 001	$655.00
V200-18-E3XB	Inputs: 18 digital and 4 analog (12 bit) Outputs. 15 relay and 2 transistor and 4 analog (12 bit)	UT 70 002	$1085.00
V200-18-E4XB	Inputs: 18 digital and 4 analog (14 bit) Outputs. 15 transistor and 4 analog (12 bit)	UT 70 003	$1250.00
V200-18-E5B	Inputs: 18 digital and 3 analog (10 bit) Outputs. 15 transistor	UT 70 004	$655.00
Additional Communication Ports			
V200-19-R4	1 x RS485 Port	UT 90 001	$95.00
V200-19-ET1	1 x Ethernet Port	UT 90 002	$425.00
V200-19-RS4-X	1 x RS232 / RS485 Port (Isolated)	UT 90 007	$165.00

Unitronics **PLC / Operator Panel**   *EMC*

## **V350 Series PLC & HMI with Colour Touchscreen**

The Vision 350 Series is a compact PLC with on-board I/Os and a versatile Graphic
Operator Interface. Each V350 comes complete with: Programming Software, User Guide,
Programming Cable and Connectors. Typical features:

Logic memory: 1MB
Scan time: 15µsec per 1K of typical application
Up to 38 on-board I/Os: expandable up to 166 (see Expansion Modules below)
Auto-tune PID: up to 24 independent loops
TFT LCD display, 256 colours. 3.5" Touchscreen: 320 x 240 pixels QVGA
1024 displays, 250 images per application
Application memory: Images - 3MB, Fonts - 512K
5 programmable keys

| Model	Description	EMC Code	Price
V350-35-R2	10 digital inputs, 2 analog/digital inputs, 6 relay outputs, 24Vdc, 1 x RS232/485 port	UT 42 000	$1980.00
V350-35-T2	10 digital inputs, 2 analog/digital inputs, 12 transistor outputs, 24Vdc, 1 x RS232/485 port	UT 42 001	$1980.00
V350-35-R34	20 digital inputs, 2 analog/digital inputs, 12 relay outputs, 24Vdc, 1 x RS232/485 port	UT 42 002	$2310.00
V350-35-T38	20 digital inputs, 2 analog/digital inputs, 16 transistor outputs, 24Vdc, 1 x RS232/485 port	UT 42 003	$2310.00
V350-35-RA22	8 digital inputs, 2 analog/digital inputs, 2 TC/PT/digital inputs, 8 relay outputs, 2 analog outputs, 24Vdc, 1 x RS232/485 port	UT 42 004	$2530.00
V350-35-TA24	8 digital inputs, 2 analog/digital inputs, 2 TC/PT/digital inputs, 10 transistor outputs, 2 analog outputs, 24Vdc, 1 x RS232/485 port	UT 42 005	$2530.00
V350-35-B1	Base Unit only	UT 42 006	$1610.00
Additional Communication Ports			
V100-17-RS4	1 x RS232/485 Port	UT 91 000	$95.00
V100-17-RS4X	1 x RS232/485 Port (isolated)	UT 91 001	$165.00
V100-17-ET2	1 x Ethernet Port	UT 91 002	$425.00
V100-17-CAN	1 x CANbus Port	UT 91003	$215.00

Expansion Modules + GSM Kit
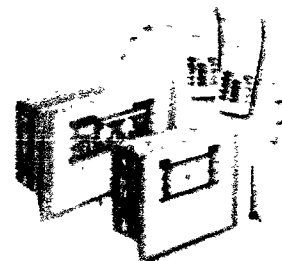
Model	Description	EMC Code	Price
EX-A1	Expansion Adaptor	UT 10 500	$165.00
EX-RC1	Remote I/O Expansion Module up to 512 I/O.	UT 10 510	$460.00
IO-DI8-TO8	8 digital inputs and 8 transistor outputs	UT 10 501	$435.00
IO-DI8-RO4	8 digital inputs and 4 relay outputs	UT 10 502	$435.00
IO-DI8-RO8	8 digital inputs and 8 relay outputs	UT 10 508	$495.00
IO-DI16	16 digital inputs	UT 10 503	$410.00
IO-DI8ACH	8 AC inputs 110/220Vac	UT 10 509	$300.00
IO-RO8	8 relay outputs	UT 10 505	$410.00
IO-R016	16 relay outputs, 24Vdc	UT 10 507	$575.00
IO-TO16	16 transistor outputs	UT 10 504	$465.00
IO-AO6X	6 analog outputs (isolated)	UT 10 602	$805.00
IO-AI4-AO2	4 analog inputs and 2 analog outputs	UT 10 600	$520.00
IO-ATC8	8 thermocouple / analog Inputs	UT 10 603	$775.00
IO-PT4	4 PT100 inputs, -50°C to 460°C	UT 10 601	$580.00
IO-LC1	1 loadcell input and 1 digital input, 2 transistor outputs	UT 10 604	$650.00
IO-LC3	3 loadcell inputs and 1 digital input, 2 transistor outputs	UT 10 605	$950.00
	SMS messaging over the GSM digital network for telemetry applications. Includes GSM modem. Remote cellphone not included	UT 10 901	$855.00

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5   Moreover, the use of Wireless Controllers would eliminate the much more cabling

requirements by replacing cabling with a reliable wireless link, making both installation and

future modifications easier.
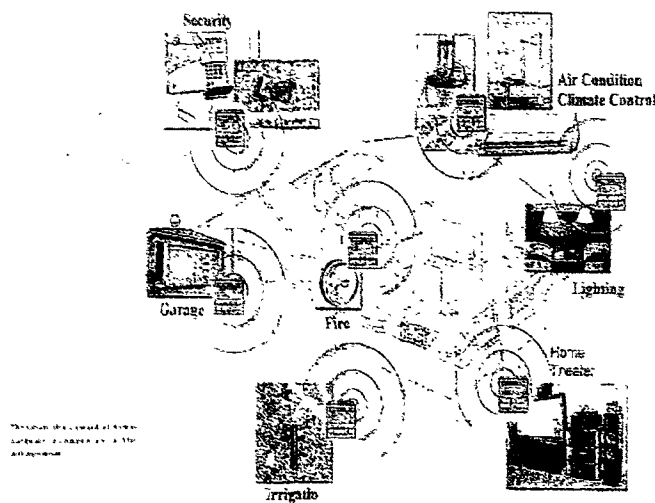
In a WiiCo™ system controllers communicate with each other using
an "any-to-any", reliable, wireless link

Unitronics

2000 Second Quarter results

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Leveraging Automation with @ Technology

Introduction of new products

The WebPLC™

Unitronics has completed the WebPLC™ development project and has begun sales of these devices via select distributors.
The WebPLC™ allows a network supervisor to use the Internet to monitor, diagnose and correct problems from remote locations. The Company believes that a potential market is emerging for Internet based PLCs.
The WebPLC™ enables production managers to remotely monitor and quickly intervene in system problems.

The M90-GSM™

The M90-GSM™, is a new product which allows wireless SMS (Short-Message-Service) messages to be sent to and from a PLC to a cellular phone user via cellular networks.
The M90-GSM™ enables remote-controlled operation of machines and devices via GSM cellular communication networks.
Unitronics' customers can therefore remotely maintain vending machines, refrigerating trucks, building automation, fuel and chemical tanks, highway traffic control systems, etc. - without the need for on-site personnel.
The Company believes that the introduction of M90-GSM™, opens a new market for Unitronics.

Sales and Marketing

Distribution

The Company managed to build a worldwide distribution network during the first half of 2000. The Company believe that a strong, worldwide distribution network is a most crucial element in a successful marketing organization.
The company increased its distribution network to include 33 distributors throughout Europe, Asia, South America, and Africa, with a sales force totaling over 130 salespersons. The new distributors were carefully selected from companies applying for distributorships.

Alon Kedar, Unitronics' Vice President of Marketing, comments " We have successfully recruited many new distributors since January. That alone was a huge project—but of course, it is only the beginning. We are building a strong marketing platform, a flexible structure that will enable us to target the proper market for our future product lines."

Trade shows

Trade shows provide the opportunity to create new business contacts with potential clients and distributors and further the market penetration of new products. This year, Unitronics participated in international trade shows throughout Europe, China, South and North America. The company's products have also been represented by its distributors in a number of local trade shows.

Cars & Trucks

Customer care

To promote customer satisfaction and marketing success after the substantial rise in the number of distributors and the size of our client base, Unitronics decided to increase the size of the customer care department. This allows the company to expand its training activities and to deliver a higher level of customer care and technical support.

Research & Development

We judge agility—the ability to quickly rethink, retool, and respond to market opportunities to be an important business asset. Experience has shown us that the feedback from our customers is valuable in indicating future market demand. In accordance with this principle, we adapted our R&D plan to allow us to develop additional new products resulting from such expected demands.

Our flexibility enabled us to introduce I/O expansion modules to our M90 micro-OPLC™ line. These upgrade the functional capability of an M90, allowing it to automate a broader spectrum of systems. Unitronics has completed the WebPLC™ development project and has started sales of these devices via select distributors. The R&D department is continuing to refine and broaden this series.

The M90-GSM, a new product which allows wireless SMS (Short-Message-Service) messages to be sent to and from a PLC to a cellular phone user via cellular networks, was also introduced into the R&D plan for the year 2000. As much of the groundwork for the development of the M90-GSM directly resulted from the WebPLC™ project, the M90-GSM progressed quickly through the R&D process and has already been released to market.

"I am confident that we will continue to identify and embed the best of emerging communication technologies into our products" Eyal Saban, Unitronics' Chief Technology Officer commented recently. "I think the M90-GSM is going to have great impact. Mobile data communications and m-Commerce give the end-user a tremendous advantage."
The R&D team has carried out planned product development largely according to schedule in addition to developing the products mentioned above.

Acquiring new facilities and expanding staff

Due to continued business expansion, Unitronics signed in July 2000 a contract for the acquisition of new facilities from which it plans to conduct its business activities. The new 1600 square meter facility is located in close proximity to the Tel Aviv international airport. 98% of the facility's USD 2.1 million purchase price is provided for by a 15-year financing plan, backed by a financial institution, allowing a monthly return not materially higher than the rent due on similar property.

Unitronics' management decided that it was necessary to acquire a new facility after drafting the Company's long-term business plan, which calls for increased marketing and R&D activity. The Company has begun a personnel recruitment drive to increase the size of the staff needed to support this planned activity, and expects to require additional office space. The new, larger facility is now under construction, and is planned to be ready in 2002

For further information:

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Unaudited Statements of Operations of Unitronics (1989) (R"G) Ltd.
Convenience translation into EURO*

	For the three month period ended June 30,	For the three month period ended June 30,	For the six month period ended June 30,	For the six month period ended June 30,
	2000	*1999*	*2000*	*1999*
	(in thousands)			
Revenues	1,740	781	3,285	1,491
Cost of revenues	641	364	1,565	750
Gross profit	*1,099*	*417*	*1,720*	*741*
Research & Development expenses, net	216	57	442	108
Selling & Marketing expenses, net	246	124	557	223
General & Administrative expenses	190	122	358	252
Operating profit	*447*	*114*	*363*	*158*
Financing Income (expenses) net	22	(13)	(296)	(30)
Operating profit after financing expenses	*469*	*101*	*67*	*128*
Tax benefits (taxes on income)	0	(71)	0	(49)
Profit after tax benefits	*469*	*30*	*67*	*79*
The Company's share of affiliated company result	0	(10)	(3)	(16)
Profit for the period	*469*	*20*	*64*	*63*
Profit per 1 ordinary shares (under IAS)	*0.054*	*0.003*	*0.007*	*0.009*

* Figurs for all periods above were translated at the exchange rate of the EURO against the NIS (New Israeli Shekel) as of 30 June, 2000 (1 EURO = 3.9151 NIS).

The notes to the financial statements form an integral part thereof.

Unaudited Statements of Operations of Unitronics (1989) (R"G) Ltd.
Inflation adjusted NIS*

	For the three month period ended June 30,	For the three month period ended June 30,	For the six month period ended June 30,	For the six month period ended June 30,
	2000	*1999*	*2000*	*1999*
	(in thousands)			
Revenues	6,811	3,056	12,861	5,838
Cost of revenues	2,511	1,422	6,131	2,936
Gross profit	*4,300*	*1,634*	*6,730*	*2,902*
Research & Development expenses, net	846	225	1,730	423
Selling & Marketing expenses, net	963	486	2,180	874
General & Administrative expenses	744	478	1,400	987
Operating profit	*1,747*	*445*	*1,420*	*618*
Financing Income (expenses) net	88	(49)	(1,158)	(119)
Operating profit after financing expenses	*1,835*	*396*	*262*	*499*
Tax benefits (taxes on income)	0	(278)	0	(191)
Profit after tax benefits	*1,835*	*118*	*262*	*308*
The Company's share of affiliated company result	0	(40)	(10)	(62)
Profit for the period	*1,835*	*78*	*252*	*246*
Profit per 1 ordinary shares (under IAS)	*0.213*	*0.011*	*0.029*	*0.036*

* The inflation adjusted NIS figures are stated in terms of NIS of June 2000.

The notes to the financial statements form an integral part thereof.

Financial Statement Analysis

Revenues - Sales for the three months ended June 30, 2000 reached EURO 1,740 thousands, a record quarter for the Company, and a rise of 122% compared to the same quarter of 1999. Sales for the six months ended June 30, 2000, reached EURO 3,285 thousands, an increase of 120% compared to the first six months of last year, when sales reached EURO 1,491 thousand.
The increase in the development of the company's business is supported by the large marketing infrastructure which has been developed by the company during the last six months.

Cost of Revenues and gross profit – The cost of revenues for the last three months ended June 30, 2000, includes materials, sub-contracting and production overhead, amounting to EURO 641 thousands (36.2 of sales), as compared to EURO 364 thousands (46.6 of sales) for the same period of 1999.
Gross profit for the three months ended June 30, 2000 amounted to EURO 1,099 thousands (63% of sales) compared with EURO 417 thousands (53.3% of sales) for the same period of 1999.
The gross profit improved to 63% in the second quarter of the year 2000, resulting mainly from the completion of the M90 production outsourcing process, as well as concluding a number of automation projects, including supply of PLCs and system integration.
The cost of revenues for the first six months ended June 30, 2000 amounts to EURO 1,565 thousands (47.6% of sales), as compared to the first six months of last year, which amounted to EURO 750 thousands (50.3% of sales). The gross profit for the period was EURO 1,720 thousands (52.4% of sales), compared to the first six months of last year, during which time gross profit amounted to EURO 741 thousands (49.7% of sales).

Research and Development Expenses – Research and Development expenses reflect the high level of activity required in developing new technologies and products. The Company believes that highly innovative products and concepts in its market segments will provide significant growth potential for the future.
The company invested approximately EURO 216 thousands (12.4% of sales) in R&D during the three months ended June 30, 2000, compared to EURO 57 thousands (7.2% of sales) in the same period last year.
Total research and development expenses during the first six months ended June 30, 2000, amounted to approximately EURO 442 thousands (13.4% of sales) compared to EURO 108 thousands in the same period last year (7.2% of sales).

Selling and Marketing Expenses - Selling and Marketing Expenses including salaries, trade shows, sales materials, and other marketing expenses for the three months ended June 30, 2000 were EURO 246 thousands (14.1% of sales), compared to EURO 124 thousands (15.8% of sales) in the same period last year.
Total selling and marketing expenses during the first six months ended June 30, 2000, amounted to approximately EURO 557 thousands (16.9% of sales) compared to EURO 223 thousands in the same period last year (14.9% of sales).

General and Administrative Expenses - General and Administrative Expenses for the three months ended June 30, 2000 amounted to EURO 190 thousands (reduced to 10.9% of sales) compared to EURO 122 thousands (15.6% of sales), for the same period of 1999.
The General and Administrative Expenses during the first six months ended June 30, 2000 amounted to EURO 358 thousands (10.89% of sales) compared to EURO 252 thousands, (16.9% of sales) during the same period last year.

Operating Profit (loss) – The total operating profit before financing costs for the three month period ended June 30, 2000, reached a record of EURO 469 thousands (26% of sales), compared to EURO 30 thousands (3.8% of sales) for the same period of 1999.

There was improvement over the first six months of this year, starting with an operating loss of EURO 84 thousands in the first quarter of the year 2000, and ending with a profit of EURO 447 thousands in the second quarter of the year 2000. This largely resulted from changes in the gross profit as described above.

Financing Income (Expenses) - Financing income for the three months period, ended June 30, 2000, amounted to EURO 22 thousands. Total finance expenses (net) for the first six months ended June 30, 2000 amounted to EURO 296 thousand, compared to EURO 30 thousands in the same period last year. This is due mainly to the fact that the majority of cash and cash equivalents untill April, 2000 where in Euro while the financial statements are prepared in New Israeli Shekel (NIS). The company EURO deposit was exposed to the devaluation of the EURO against the NIS. The finance expenses in the first quarter of year 2000 amounted to EURO 318 thousands, while the finance income during the second quarter of the year 2000, amounted to EURO 22 thousands. This largely resulted from changes in the EURO exchange rate against the NIS. Since April 2000, the company has changed its investment structure, and the currency of investments, which is currently not kept in EURO.

Profit for the period – The Company's net profit for the three months ended June 30, 2000 reached EURO 469 thousands (26.9% of sales), compared with EURO 20 thousands (2.5% of sales) for the same period in 1999.

The net profit for the first six months ended June 30, 2000 amounted to EURO 64 thousands (1.9% of sales), compared to EURO 63 thousands (4.2% of sales) during the same period last year. There was improvement over the first six months of this year, starting with a loss of EURO 384 thousands in the first quarter of the year 2000, and ending with a profit of EURO 469 thousands in the second quarter of the year 2000.

Unitronics Industrial Automation

About Unitronics and the business environment

Unitronics (EURO.NM symbol: UNIT) is an Israeli company that designs, develops, manufactures, and markets Programmable Logic Controllers (PLCs), the computer 'brains' that controls automated production lines. Our company is dedicated to the prime directive of PLC control—to make automation simple, efficient, and affordable.

Since 1989, we have introduced devices intended to provoke new trends in production line automation. We created the OPLC™ controller series: controllers that enable bi-directional man-machine communication through a simple user interface.

Our state-of-the art PLCs are installed in plants in a variety of industrial sectors-petrochemical, paper and corrugated, plastics and foods, energy and environment, air conditioning and building control, machine and process control applications, power generation, water and wastewater management—where automation and process control are needed.

We believe that in today's global economy, data has become an incredibly valuable commodity. In industry, production data must be freely distributed through all levels of an enterprise. Data must be equally available on the production floor, to marketing staff and to management. Proper data distribution leads to greater efficiency— a key element of success in an increasingly competitive marketplace.

This is driving a strong market trend towards PLCs that are integrated with advanced communication technologies, PLCs that enable vertical communications throughout an enterprise—on a global scale. We expect to timely release a new generation of products, embedded with Internet and wireless communication abilities, to meet this trend. Unitronics' WebPLC™ uses .www technology to enable seamless production-floor-to-boardroom communications. Our M90-GSM is capable of wireless communications over cellular telephone networks. A mobile user can send and receive production data via a cell phone—even where the M90-GSM itself is installed in a moving vehicle.

According to a Frost & Sullivan report (Report 5450-10), the world PLC market is expected to reach USD 10.29 billion by the year 2004. Our objective is to become a major player within our market niche by developing technologically advanced products that are timed to meet market demand, and by developing and maintaining a global marketing network to deliver those products where market demand exists.

For further information:

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MySearches (0)

Search Results

Your search for **haim shani** returned **2 results**.

null quickSearch

	Application number	Title	Applicant(s)	Inventor(s)	Filing date	Application status
1	2000061789	An improved method and apparatus for the detection of medical conditions of shock and pre-shock	Shani, Haim; Shavit, Ittai	Shani, Haim; Shavit, Ittai	2000-07-25	LAPSED
2	1995020963	Transgenic animal assay system for anti-cholinesterase substances	Yissum Research Development Company of the Hebrew University of Jerusalem; Kohn, Kenneth I.	Soreq, Hermona; Zakut, Haim; Shani, Moshe	1995-02-28	LAPSED

This data is current as of **2010-08-23 18:00 AEST**.