PATENT: 6,836,654

INVENTORS: Decotignie, Philippe

TITLE: Anti-theft protection for a radiotelephony device

APPLICATION NO: US2000739507A

FILED: 18 DEC 2000

ISSUED: 28 DEC 2004

COMPILED: 19 MAR 2018

PATENT NUMBER
6836654

U.S. UTILITY Patent Application

	O.I.P.E.	PATENT DATE
SCANNED AS4 Q.A.		DEC 26 2004

APPLICATION NO.	CONT/PRIOR	CLASS	SUBCLASS	ART UNIT	EXAMINER
09/739507	F	455	410	2681 2683	Zewdu Ferguson

APPLICANTS: Philippe Descotbre

TITLE: Anti theft protection for a radiotelephony device

PTO-2040
12/99

ISSUING CLASSIFICATION

ORIGINAL			CROSS REFERENCE(S)						
CLASS	SUBCLASS	CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)						
455	410	455	411	413	425	550.1	553	565	
INTERNATIONAL CLASSIFICATION		455	560						
H04M 1/60, 3/00, 1/66									
H04B 1/06, 1/33									
H04Q 7/20									

☐ Continued on Issue Slip Inside File Jacket

☐ TERMINAL DISCLAIMER	DRAWINGS			CLAIMS ALLOWED	
	Sheets Drwg.	Figs. Drwg.	Print Fig.	Total Claims	Print Claim for O.G.
	2	3	1	20	1

☐ The term of this patent subsequent to _____ (date) has been disclaimed.

Melsse Zewdu   8-16-04
(Assistant Examiner)   (Date)

NOTICE OF ALLOWANCE MAILED
08/24/04

☐ The term of this patent shall not extend beyond the expiration date of U.S Patent No. _____

W. ?
WILLIAM TROST
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600 8-1-y
(Primary Examiner)   (Date)

ISSUE FEE	
Amount Due	Date Paid
# 1330	11 18 04 JPN

☐ The terminal ____ months of this patent have been disclaimed.

(Legal Instruments Examiner)   (Date)

ISSUE BATCH NUMBER

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ANTI-THEFT PROTECTION FOR A RADIOTELEPHONY DEVICE

Transaction History

Date	Transaction Description
12 18 2000	Information Disclosure Statement (IDS) Filed
12 18 2000	Information Disclosure Statement (IDS) Filed
12 18 2000	Initial Exam Team nn
02 13 2001	IFW Scan & PACR Auto Security Review
03 05 2001	Correspondence Address Change
03 05 2001	Correspondence Address Change
03 06 2001	Application Is Now Complete
03 06 2001	Notice Mailed Application Incomplete Filing Date Assigned
05 16 2001	Correspondence Address Change
05 21 2001	Application Dispatched from OIPE
05 24 2001	Case Docketed to Examiner in GAU
01 06 2003	Case Docketed to Examiner in GAU
04 09 2003	Case Docketed to Examiner in GAU
05 12 2003	Miscellaneous Incoming Letter
08 25 2003	Non Final Rejection
08 27 2003	Mail Non Final Rejection
12 02 2003	Response after Non Final Action
12 02 2003	Request for Extension of Time Granted
12 16 2003	Date Forwarded to Examiner
02 19 2004	Mail Final Rejection (PTOL 326)
02 19 2004	Final Rejection
05 20 2004	Request for Continued Examination (RCE)
05 20 2004	Request for Extension of Time Granted
05 20 2004	Workflow incoming petition IFW
05 20 2004	Workflow incoming amendment IFW
05 21 2004	Workflow Request for RCE Begin
05 21 2004	Workflow incoming petition IFW
05 21 2004	Workflow incoming amendment IFW
06 09 2004	Mail Advisory Action (PTOL 303)
06 09 2004	Advisory Action (PTOL 303)
08 10 2004	Date Forwarded to Examiner
08 10 2004	Date Forwarded to Examiner
08 10 2004	Disposal for a RCE / CPA / R129
08 23 2004	Notice of Allowance Data Verification Completed
08 24 2004	Mail Notice of Allowance
09 09 2004	Receipt into Pubs
09 09 2004	Workflow File Sent to Contractor
09 09 2004	Receipt into Pubs
10 26 2004	Receipt into Pubs
11 18 2004	Issue Fee Payment Verified
11 18 2004	Workflow Drawings Finished
11 18 2004	Workflow Drawings Matched with File at Contractor
11 18 2004	Issue Fee Payment Received
11 29 2004	Dispatch to FDC
11 29 2004	Application Is Considered Ready for Issue
11 30 2004	Receipt into Pubs
12 09 2004	Issue Notification Mailed
12 28 2004	Recordation of Patent Grant Mailed
12 28 2004	Patent Issue Date Used in PTA Calculation
01 26 2009	Expire Patent
06 08 2009	Petition to Accept Late Payment of Maintenance Fee Payment Filed
09 21 2009	Mail Petition Decision Accept Late Payment of Maintenance Fees Granted
09 21 2009	Petition Decision Accept Late Payment of Maintenance Fees Granted

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Jc914 U.S. PTO
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INITIALS _____

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CONTENTS

	Date Received (Incl. C. of M.) or Date Mailed			Date Received (Incl. C. of M.) or Date Mailed
1. Application ___ papers.		42.		
2. Ltr/Ref: Dec./unsigned	03/06/01	43.		
3. Dec	04/05/01	44.		
4. IDS w/Refers	12-18-00	45.		
5. IDS	8/13/01	46.		
6. CA/PSA	5/12/03	47.		
7. Non-Final Rej	8-27-03	48.		
8. Ext of time 1mo	12/2/03	49.		
9. Amdt A	12/2/03	50.		
10. Final Rej	2/19/04	51.		
11. Ext of time 1mo	5/21/04	52.		
12. RCE	5/20/04	53.		
13. Pre Amdt B	5/20/04	54.		
14. Notice Allowance	8/24/04	55.		
15. Formal Drawing 2 shts) set	11/18/04	56.		
16. Petition 1.378C	06/08/09	57.		
17. Petition Granted	09/21/09	58.		
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POSITION	INITIALS.	ID NO.	DATE
FEE DETERMINATION			
O.I.P.E. CLASSIFIER		43	2/26/01
FORMALITY REVIEW	lot ~	0571	03/05/01
RESPONSE FORMALITY REVIEW	T2	JC942	05/15/01

INDEX OF CLAIMS

✓ .... Rejected	N .... Non-elected
= .... Allowed	I .... Interference
− (Through numeral)... Canceled	A .... Appeal
÷ .... Restricted	O .... Objected

Claim		Date								Claim		Date							Claim		Date						
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Class	Sub.	Date	Exmr.
455	410	8/20/03	∏.Z¹
	411		
	412.1		
	412.2		
	413-419		
	425		
	550.1		
	558		
455	26.1	8-16-04	∏.Z
	404.1		
	558		
	558		
	565-567		
380	264	8-18-04	∏.Z
	268		
	273		
713	158		
	502		
	600		
	601		
705	65		
	66		
	07		

SEARCH NOTES (INCLUDING SEARCH STRATEGY)		
for text secul	Date	Exmr.
Ps. see inside back-2004	3/21/03	∏-Z
consulted with Justin Darrow (AU 2132)	8-18-04	∏.Z.

INTERFERENCE SEARCHED			
Class	Sub.	Date	Exmr.
Search updated		8-16-04	∏.Z.
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Term	Documents
LOAD	1303783
LOADS	293188
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MEASUR$	0
MEASUR	527
MEASURA	3
MEASURAANBLE	1
MEASURABE	2
MEASURABILITIES	2
MEASURABILITY	354
(L1 AND (MEASUR$ NEAR7 (LOAD OR CONGGESTION))).USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	14
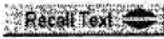
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L7	L1 and (measur$ near7 (load or conggestion))	14	L7
L6	L5 and (transmission near7 (power near3 control$))	18	L6
L5	((ratio or relative) same ((power adj up) near10 (power adj down)))	77	L5
L4	(transmi$ near5 (power near4 (control$ adj command))) same ((control$ or regulat$) same (overload or conggestion or collision))	11	L4
L3	L2 and (load same cell)	34	L3
L2	L1 and ((relative or ratio or difference or percent$) same (downlink or uplink or increase or decrease or total))	441	L2
L1	transmi$ near7 (commands near5 (power adj control$))	874	L1

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	DB=USRT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=ADJ		
L7	L6 and ((deactivat$ or disabl$) same (predetermined adj time))	52	L7
L6	((sim adj card) or (memory adj card) or smart adj card) and (code near7 (block$ or lock$ or disabl$ or unuseable))	1936	L6
L5	L4 and (code near7 (block$ or lock$ or disabl$ or unuseable))	22	L5
L4	L3 and (card near3 (smart or memory))	82	L4
L3	I1 and (((unlwaful adj usc) or (illgal adj use) or lost) same (prevent$ or protect$))	843	L3
L2	L1 and ((sim or memory adj card) same ((anti adj theft) or (theft near3 prevent$) or (unautohriz$ near3 use)))	1	L2
L1	455/$	99307	L1

END OF SEARCH HISTORY

updated search
8-18-04   N·Z

Refine Search

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Search Results -

Term	Documents
USER	1340058
USERS	311571
ID$	0
ID	1686361
IDA	19190
IDAA	47
IDAAA	1
IDAAAHA	1
IDAAAHA-LEG	1
IDAAARD	1
IDAAATI	1
(L23 AND (USER NEAR3 ID$)).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	79

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Search: L24

Search History

DATE: Wednesday, August 18, 2004   Printable Copy   Create Case

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Name side by side	Query	Hit Count	Set Name result set
	DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ		
L24	L23 and (user near3 id$)	79	L24
L23	L22 and code	457	L23
L22	L20 and (timing or timer)	621	L22
L21	L20 and tim$3	1404	L21
L20	l15 and (self near5 (deactivat$ or block$ or disabl$ or activat$ or enabl$ or deblock$ or unblock$))	1530	L20
L19	L18 and code	61	L19
L18	L17 and (tim$3 near9 (deactivat$ or block$ or disabl$ or activat$ or enabl$ or deblock$ or unblock$))	96	L18
L17	(l5 or l6 or l10) and L15	282	L17
L16	(l5 or l6 or l10) same L15	0	L16
L15	l11 or l12 or l13 or L14	243011	L15
L14	wireless adj $4phone	12157	L14
L13	laptop or radiotelephone or palmtop or pda	89618	L13
L12	cellular adj $4phone	53638	L12
L11	mobile adj (unit or station or $4phone or apparatus or device)	137103	L11
L10	l7 or l8 or l9	1627	L10
L9	713/600-601.ccls.	1012	L9
L8	713/502.ccls.	631	L8
L7	713/158.ccls.	76	L7
L6	705/65-67.ccls.	515	L6
L5	l2 nor l3 or l4	91	L5
L4	380/273.ccls.	91	L4
L3	380/268.ccls.	160	L3
L2	380/264.ccls.	62	L2
L1	380/(264,268,273).ccls.	0	L1

END OF SEARCH HISTORY

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(12) **United States Patent**
Decotignie

(10) Patent No.: **US 6,836,654 B2**
(45) Date of Patent: **Dec. 28, 2004**

(54) **ANTI-THEFT PROTECTION FOR A RADIOTELEPHONY DEVICE**

(75) Inventor: **Philippe Decotignie**, Le Mans (FR)

(73) Assignee: **Koninklijke Philips Electronics N.V.**, Eindhoven (NL)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 509 days.

(21) Appl. No.: **09/739,507**

(22) Filed: **Dec. 18, 2000**

(65) **Prior Publication Data**

US 2001/0016484 A1 Aug. 23, 2001

(30) **Foreign Application Priority Data**

Dec. 21, 1999 (FR) 99 16136

(51) Int. Cl.⁷ **H04M 1/00**; H04M 3/00; H04M 1/66; H04B 1/06; H04B 1/38; H04Q 7/20

(52) U.S. Cl. **455/410**; 455/411; 455/418; 455/425; 455/550.1; 455/558; 455/565

(58) **Field of Search** 455/410, 411, 455/412.1, 412.2, 418–419, 425, 550.1, 558, 26.1, 404.1, 557, 565–567; 380/264, 268, 273; 713/158, 502, 600, 601; 705/65, 66, 67

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Primary Examiner—William Trost
Assistant Examiner—Meless Zewdu
(74) Attorney, Agent, or Firm—Jack D. Slobod

(57) **ABSTRACT**

A mobile radiotelephony device intended for accommodating a linked user identification module offers protection against theft. The device prevents a normal operation of the device with an unlinked identification module, and permits the normal operation of the device with the linked identification module until such time the device has been inactive for a defined period of time. A debugging code can be supplied to the device subsequent to a detection of the defined period of time to again permit the normal operation of the device with linked identification module.

20 Claims, 2 Drawing Sheets

FIG. 1

FIG. 2

FIG. 3

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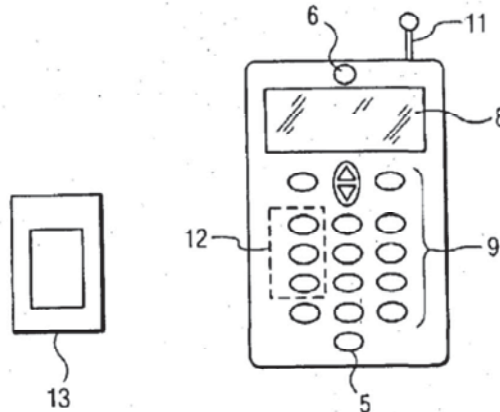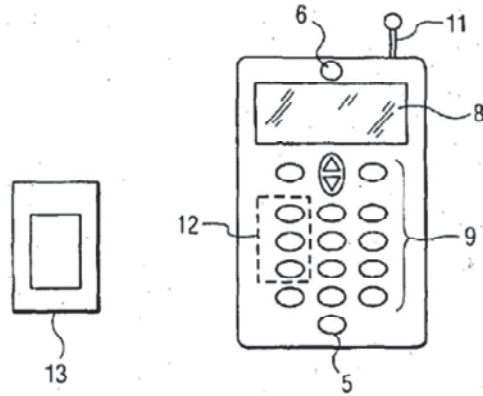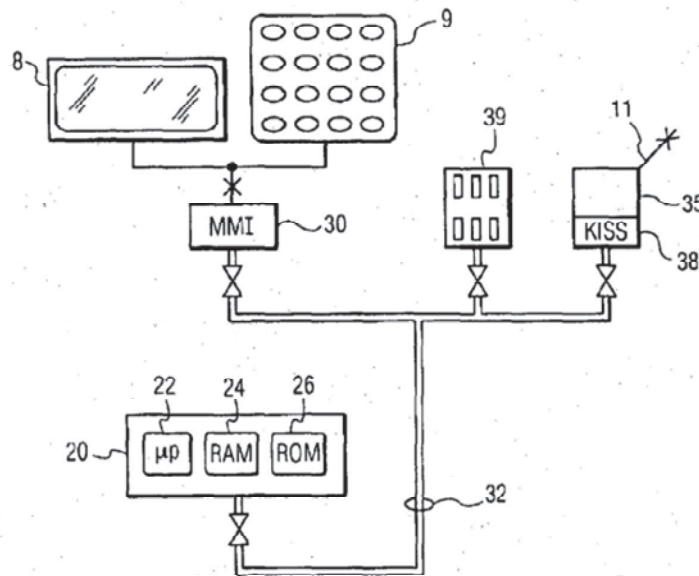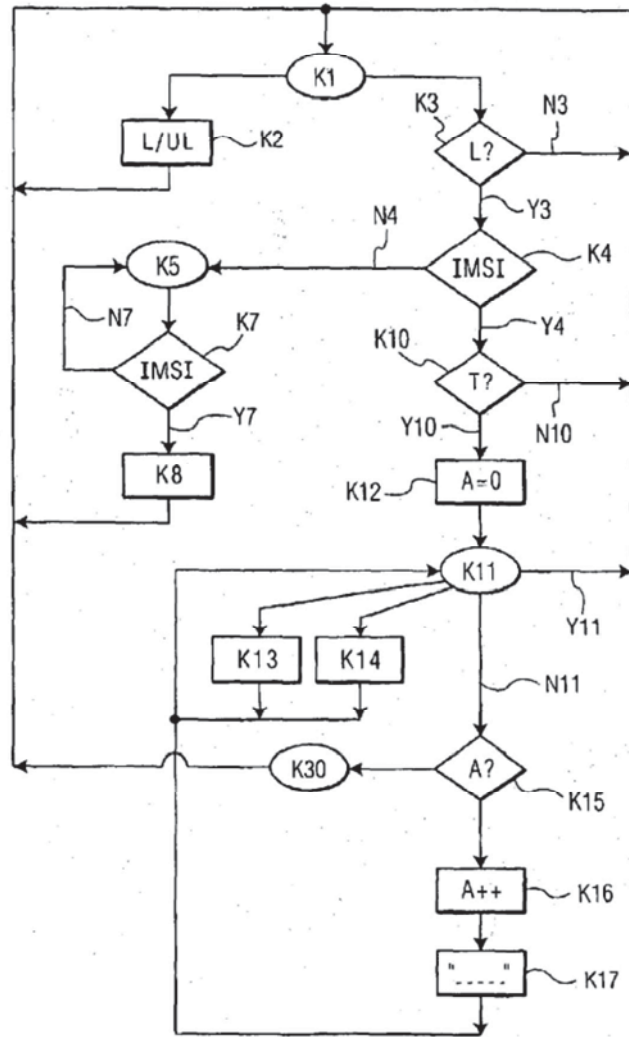
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ANTI-THEFT PROTECTION FOR A RADIOTELEPHONY DEVICE

FIELD OF THE INVENTION

The invention relates to a mobile radiotelephony device intended for accommodating a user identification module, where the device has an established link to an identification module to thereby prevent a normal operation of the device when an identification module other than the linked identification module is mounted inside the device.

The invention also relates to a method of protecting such a device, and a computer program for implementing such a method.

The invention notably has applications in the field of portable radiotelephony. Portable radiotelephony devices are intended to accompany their users when they move around. It happens that these devices are lost or stolen.

PRIOR ART OF THE INVENTION

U.S. Pat. No. 5,913,175, published Jun. 15, 1999 describes a method of protecting a radiotelephone which permits to avoid that the lost or stolen telephone can be used by a third party with another user identification module. This method comprises establishing a link between the device and a specific user identification module and blocking the normal operation of the device when the user identification module that is placed inside the device is not the one that is linked to the device.

When the device is lost or stolen with the identification module to which it is linked, the user is to warn the operator so that the use of his identification module is blocked at network level.

This means that the device can be freely used until the identification module to which it is linked is blocked via the network. This may take a certain period of time.

SUMMARY OF THE INVENTION

It is notably an object of the invention to resolve this problem. For this purpose, a device in accordance with the invention (1) verifies a user identification module mounted inside the mobile radiotelephony device is linked to the mobile radiotelephony device, (2) detects a period of inactivity of the mobile radiotelephony device during a normal operation of the mobile radiotelepony device, wherein the normal operation includes a processing of all outgoing calls, and (3) prevents the normal operation of the mobile radiotelephony device in response to the verification of the user identification module and in response to the detection of the period of inactivity of the mobile radiotelephony device.

Thus, when the device falls into the hands of a third party together with the identification module to which it is linked, it has most probably been inactive for a period of time that is sufficiently long for its normal operation to be blocked (advantageously, the inactive time after which the blocking means are activated is of the order of several minutes). The device cannot thus be used without the deblocking code being supplied.

Thanks to the invention the lost or stolen device becomes totally unusable. A fraudulent person cannot send communications at the cost of the owner of the device. But neither can he use the device with another identification module. The theft of the device becomes totally useless. The invention thus forms a protection against theft.

In a particularly simple embodiment, the connecting means comprise reading means and storage means of a data

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stored in the identification module, and the test means compare the thus stored data with the data stored in the identification module which is places inside the device. The data stored is formed, for example, by the international identification number IMSI which is contained in the identification module (compare standards relating to the GSM radiotelephony systems). Thus, the identification module is automatically linked to the device without the intervention of the user, more particularly without the fact that a specific code has to be entered.

Advantageously the deblocking code, which is to be supplied to return to the normal operating mode, is formed by the pin code (Personal Identity Number) which is contained in the identification module (compare standards relating to the GSM radiotelephony systems). Thus the user need not store an additional code to ensure the protection of his device.

BRIEF DESCRIPTION OF THE DRAWINGS

These and other aspects of the invention are apparent from and will be elucidated, by way of non-limitative example, with reference to the embodiment(s) described hereinafter.

In the drawings:

FIG. 1 represents a device in accordance with the invention,

FIG. 2 represents an overall electric diagram of the device of FIG. 1, and

FIG. 3 represents a flow chart explaining the operation of the device of FIG. 1.

DESCRIPTION OF A PREFERRED EMBODIMENT OF THE INVENTION

In FIG. 1 is represented an electronic device in accordance with the invention. In the example described here this device is a portable radiotelephone of the type used in cellular systems. It notably comprises a microphone 5, a loudspeaker 6, a screen 8, a keypad 9 and an antenna 11. The device 1 also comprises a housing 12 intended for accommodating a user identification module 13. In the example of embodiment described here, this identification module 13 is a portable card of an integrated circuit in which information is stored, notably an international identification number currently called IMSI number, and a Personal Identification Number currently called PIN code.

FIG. 2 shows the overall electrical diagram of this device 1. The operation of the device 1 is, in essence, controlled by a microprocessor assembly 20 which comprises a microprocessor ("μP") 22 to which are associated a random access memory ("RAM") 24 and a read-only memory ("ROM") 26. This assembly is connected to a man-machine interface 30 via a common line 32. This man-machine interface 32 controls the screen 8 and the keypad 9. The common line 32 also connects the microprocessor assembly 20 to a transceiver assembly ("TX") 35 via an interface circuit 38. The transceiver assembly 35 is connected to the antenna 11. Finally, the common line 32 also connects the microprocessor assembly 20 to a card reader 39.

In FIG. 3 is represented a function flow chart of a device in accordance with the invention. This flow chart starts at box K1. In box K1 the device is in a state of availability, that is to say that the user has access to all the functions of the device. The user has the choice of either or not locking his device. This locking (L)/unlocking (UL) is done by accessing a configuration menu of the device. When the user locks

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his device (box K2), the identification module that is inside the device is automatically linked to the device. For this purpose, the device starts reading a data D1 in the identification module (for example, the international identification number IMSI) and be stores it in the random-access memory 24. Once locked, the device remains in the state of availability indicated in box K1. When the device is in the state of availability, one looks whether it is locked (box K3). If it is not locked (arrow N3), the device remains in the state of availability indicated in box K1. If it is locked (arrow Y3), one looks whether the identification module which is placed inside the device is the one that is linked to the device (box K4).

If the identification module, which is placed inside the device, is not the one that is linked to the device (arrow N4), the device goes to a first blocking state indicated in box K5. In this first blocking state, the device is disconnected from the network. Thus it can no longer receive an incoming call nor transmit an outgoing call (possibly with the exception of emergency numbers). In the blocking state K5, the screen shows a message inviting the user to insert the proper module into the device. And when the user inserts a new module, one looks whether this new identification module is the one that is connected to the device (box K7). If this is the case (arrow Y7), the device is reconnected to the network in accordance with the normal procedure (box K8) and then the device returns to the state of availability indicated in box K1. If not (arrow N7), the operation is resumed in box K5. The only way of leaving this first blocking state is thus to place the identification module that is linked to the device inside the device.

If the identification module that is placed inside the device is linked to the device (arrow Y4), one looks whether the device has remained in the state of availability for a certain period of time T of the order of several minutes, for example (box K10). If this is not the case (arrow N10), the device remains in the state of availability indicated in box K1. If this is the case (arrow Y10), the device passes on to a second blocking state indicated in box K11 by passing through an initialization step K12 which permits to initialize a variable A which represents the number of attempts made at supplying a deblocking code (for example, the Personal Identification Number) PIN.

In this second blocking state the device only processes incoming calls (box K13) and, possibly, the outgoing calls that correspond to emergency numbers (box K14). Once these calls have been processed, the device goes back to the second blocking state indicated in box K11. In the second blocking state K11 a message inviting the user to supply a deblocking code is displayed on the screen. If the code taken by the user is recognized (arrow Y11), the device goes back to the state of availability indicated in box K1. If it is not recognized (arrow N11), the value of the variable A is tested (box K15). If this value is lower than a certain figure (for example 3), the value of A is augmented by unity (box K16) and a message is displayed on the screen to indicate the user that the code is not valid (box K17). Then the device goes back to the second blocking state indicated in box K11. If the variable A is higher than or equal to said figure, the test of box K15 causes the total blocking of the device indicated in box K30. To leave this third blocking state it is necessary to contact the organization that provides the identification module. One is then again in the state of availability K1.

In another embodiment of the invention, when the user locks the telephone, the device asks for the user's name. The name given by the user is stored in the random access memory 24 of the device. When the identification module

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that is inside the device is not the one that is linked to the device, the device displays the name of the user before asking him to insert his identification module as indicated in box K5. The device also displays the name of the user before asking him to supply his personal code as indicated in box K11.

The embodiment that has just been described is particularly effective, because it provides two separate blocking modes depending on whether the identification module that is placed inside the device is either or not linked to the device. The first blocking mode is applied in the case where the device has been lost or stolen. The object is then to prevent the device being usable with another identification module. It thus advantageously blocks the incoming and outgoing calls at the same time. The second blocking mode is applied in the case where the identification module that is linked to the device is in its place inside the device and the device is in a state of availability. The object is to prevent a third party being able to send outgoing calls with this device if it is lost, stolen or left without attendance for some time. In that case, it is desirable for the user to be able to continue to directly receive his incoming calls.

In another embodiment the same blocking means are used as the identification module which is placed inside the device either or not linked to the device, for example, the second blocking means. In that case it is possible for receiving incoming calls intended for the identification module that is inside the device, even when this identification module placed inside the device is not linked to the device.

While the embodiments of the invention disclosed herein are presently considered to be preferred, various changes and modifications can be made without departing from the spirit and scope of the invention. The scope of the invention is indicated in the appended claims, and all changes that come within the meaning and range of equivalents are intended to be embraced therein.

What is claimed is:

1. A mobile radiotelephony device, comprising:

blocking means for preventing a normal operation of the mobile radiotelephony device, wherein the normal operation includes a processing of outgoing calls;

timing means for activating the blocking means in response to the mobile radiotelephony device being inactive during the normal operation of the mobile radiotelephony device for a defined period of time subsequent to a mounting of a linked user identification module inside the mobile radiotelephony device; and

deblocking means for permitting the normal operation of the mobile radiotelephony device in response to a supply of a deblocking code to the mobile radiotelephony device subsequent to the mounting of the linked user identification module inside the mobile radiotelephony device and subsequent to the defined period of time.

2. The mobile radiotelephony device of claim 1, wherein an activation of the blocking means prevents all transmission of outgoing calls.

3. The mobile radiotelephony device of claim 1, wherein an activation of the blocking means prevents all transmissions of non-emergency outgoing calls and permits all transmissions of emergency outgoing calls.

4. The mobile radiotelephony device of claim 1, further comprising:

locking means for facilitating an activation of the block means by the timing means.

5. The mobile radiotelephony device of claim 1, further comprising:

connecting means for establishing a link between the mobile radiotelephony device and the linked user identification module.

6. The mobile radiotelephony device of claim 5, further comprising:

locking means for facilitating an establishment of the link between the mobile radiotelephony device and the linked user identification module by the connection means.

7. The mobile radiotelephony device of claim 1, wherein an international identification number stored on the linked user identification module is stored on the mobile radiotelephony device as data corresponding to a link between the mobile radiotelephony device and the linked user identification module.

8. The mobile radiotelephony device of claim 1, wherein a personal identification number stored on the linked user identification module is stored as the deblocking code on the mobile radiotelephony device.

9. The mobile radiotelephony device of claim 1, further comprising:

test means for activating the blocking means when any unlinked user identification module is mounted inside the mobile radiotelephony device.

10. A method of protecting a mobile radiotelephony device, the method comprising:

verfying a user identification module mounted inside the mobile radiotelephony device is linked to the mobile radiotelephony device;

detecting a period of inactivity of the mobile radiotelephony device during a normal operation of the mobile radiotelephony device, wherein the normal operation includes a processing of all outgoing calls;

preventing the normal operation of the mobile radiotelephony device in response to the verification of the linked user identification module and in response to the detection of the period of inactivity of the mobile radiotelephony device.

11. The method of claim 10, further comprising:

permitting the normal operation of the mobile radiotelephony device in response to the verification of the linked user identification module and in response to a supply of a deblocking code to the mobile radiotelephony device subsequent to the detection of the period of inactivity of the mobile radiotelephony device.

12. The method of claim 10, wherein the prevention of the normal operation of the mobile radiotelephony device prevents all transmissions of outgoing calls.

13. The method of claim 10, wherein the prevention of the normal operation of the mobile radiotelephony device prevents all transmissions of non-emergency outgoing calls and permits all transmissions of emergency outgoing calls.

14. The method claim 10, further comprising:

storing an international identification number stored on the linked user identification module onto the mobile radiotelephony device as data corresponding to a link between the mobile radiotelephony device and the linked user identification module.

15. The method claim 11, further comprising:

storing a personal identification number scored on the linked user identification module onto the mobile radiotelephony device as the debugging code.

16. The method of claim 10, further comprising:

preventing the normal operation of the mobile radiotelephony device in response to any unlinked user identification module being mounted inside the mobile radiotelephony device.

17. In a mobile radiotelephony device, a computer readable medium comprising:

computer readable code for verifying a user identification module mounted inside the mobile radiotelephony device is linked to the mobile radiotelephony device;

computer readable code for detecting a period of inactivity of the mobile radiotelephony device during a normal operation of the mobile radiotelephony device, wherein the normal operation includes a processing of all outgoing calls;

computer readable code for preventing the normal operation of the mobile radiotelephony device in response to the verification of the linked user identification module and in response to the detection of the period of inactivity of the mobile radiotelephony device.

18. The computer readable medium of claim 17, further comprising:

computer readable code for permitting the normal operation of the mobile radiotelephony device in response to the verification of the linked user identification module and in response to a supply of a deblocking code to the mobile radiotelephony device subsequent to the detection of the period of inactivity of the mobile radiotelephony device.

19. The computer readable medium of claim 18, further comprising:

storing a personal identification number stored on the linked user identification module onto the mobile radiotelephony device as the deblocking code.

20. The computer readable medium of claim 17, further comprising:

preventing the normal operation of the mobile radiotelephony device in response to any unlinked user identification module being mounted inside the mobile radiotelephony device.

* * * * *

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Bib Data Sheet

CONFIRMATION NO. 3125

SERIAL NUMBER 09/739,507	FILING DATE 12/18/2000 RULE	CLASS 455	GROUP ART UNIT 2681	ATTORNEY DOCKET NO. PHF 99,624

APPLICANTS

Philippe Decotignie, Le Mans, FRANCE;

** CONTINUING DATA **

** FOREIGN APPLICATIONS **
FRANCE 9916136 12/21/1999

IF REQUIRED, FOREIGN FILING LICENSE GRANTED ** 03/05/2001

Foreign Priority claimed ☑ yes ☐ no 35 USC 119 (a-d) conditions met ☑ yes ☐ no ☐ Met after Allowance Verified and Acknowledged — Examiner's Signature — Initials	STATE OR COUNTRY FRANCE	SHEETS DRAWING 2	TOTAL CLAIMS 10	INDEPENDENT CLAIMS 2

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TITLE

Anti-theft protection for a radiotelephony device

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PATENT APPLICATION SERIAL NO. _____

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FEE RECORD SHEET

12/21/2000 HLE333   00000055 141270   09739507
01 FC:101   710.00 CH

PTO-1556
(5/87)
'U.S. GPO 2000-468-987/39595

12-19-00   A

Case Dock   No. PHF 99,624

THE COMMISSIONER FOR PATENTS, Washington, D.C. 20231

Enclosed for filing is the patent application of Inventor(s):
PHILIPPE DECOTIGNIE

For: ANTI-THEFT PROTECTION FOR A RADIOTELEPHONY DEVICE

ENCLOSED ARE:
[X] Appointment of Associates;
[X] Information Disclosure Statement, Form PTO-1449 and copies of
     documents listed therein;
[ ] Preliminary Amendment;
[X] Specification (**9 Pages of Specification, Claims, & Abstract**);
[X] Declaration and Power of Attorney:
     (**1** Page of a [ ]fully executed   [**X**]unsigned Declaration);
[X] Drawing (**2** sheets of [ ]informal [**X**]formal sheets);
[X] Certified copy of a **FRENCH** application Serial No.**9916136**;
[X] Authorization Pursuant to 37 CFR §1.136(a)(3)
[ ] Other: ;
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FEE COMPUTATION
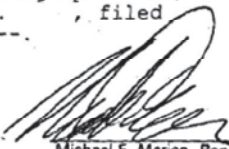
CLAIMS AS FILED				
FOR	NUMBER FILED	NUMBER EXTRA	RATE	BASIC FEE – $710.00
Total Claims	10 - 20 =	0	X $18 =	0.00
Independent Claims	2 - 3 =	0	X $80 =	0.00
Multiple Dependent Claims, if any			$270 =	0.00
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the total filing fee indicated above, plus any deficiencies. The
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[ ]Amend the specification by inserting before the first line
as a centered heading --Cross Reference to Related Applications--;
and insert below that as a new paragraph --This is a continuation-
in-part of application Serial No.   , filed   , which is
herein incorporated by reference--.

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jc872 U.S. PTO 12/18/00
jc914 U.S. PTO 09/739507 12/16/00

IN THE ⎯TED STATES PATENT AND TRADEMARK OFFICE

In re Application of   Atty. Docket

PHILIPPE DECOTIGNIE   PHF 99,624

Serial No.   Group Art Unit

Filed: CONCURRENTLY   Ex.

Title: ANTI-THEFT PROTECTION FOR A RADIOTELEPHONY DEVICE

Commissioner for Patents
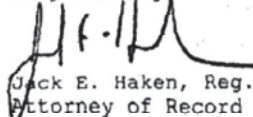Washington, D.C. 20231

<u>APPOINTMENT OF ASSOCIATES</u>

Sir:

      The undersigned Attorney of Record hereby revokes all
prior appointments (if any) of Associate Attorney(s) or Agent(s) in
the above-captioned case and appoints:

JACK D. SLOBOD   (**Registration No. 26,236**) and

MICHAEL E. MARION   (**Registration No. 32,266**)

c/o U.S. PHILIPS CORPORATION, Intellectual Property Department, 580
White Plains Road, Tarrytown, New York 10591, his Associate
Attorney(s)/Agent(s) with all the usual powers to prosecute the
above-identified application and any division or continuation
thereof, to make alterations and amendments therein, and to
transact all business in the Patent and Trademark Office connected
therewith.

      ALL CORRESPONDENCE CONCERNING THIS APPLICATION AND THE
LETTERS PATENT WHEN GRANTED SHOULD BE ADDRESSED TO THE UNDERSIGNED
ATTORNEY OF RECORD.

                        Respectfully,

                        Jack E. Haken, Reg. 26,902
                        Attorney of Record

Dated at Tarrytown, New York
this 13TH day of December, 2000.
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of   Atty. Docket

PHILIPPE DECOTIGNIE   PHF 99,624

Serial No.   Group Art Unit

Filed: CONCURRENTLY   Ex.

Title: ANTI-THEFT PROTECTION FOR A RADIOTELEPHONY DEVICE

Commissioner for Patents
Washington, D.C. 20231

<u>INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. 1.97</u>
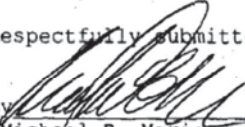
Sir:

Enclosed is a Form PTO-1449 and copies of documents listed thereon. These documents are considered to be relevant in that they have been:

☐ considered in drafting the specification of the above-referenced application;

☒ cited in the specification of the above-referenced application; or

☐ cited as an "X" or "Y" document in a foreign Patent Office search report on a foreign counterpart application a copy of which report is also enclosed.
    ☐ I hereby certify that these documents were cited in said search report not more than three (3) months ago.

☐ Please charge any fee under 1.17(p) for this Information Disclosure Statement to be considered, not exceeding $240.00, to Account No. 14-1270.

If readily available, English-language counterparts have been substituted for foreign-language patent documents. This disclosure is not an admission that any of these documents is material to or even prior art with respect to the above-referenced application.

Respectfully submitted,

By _____
Michael E. Marion, Reg. 32,266
Attorney
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PTO-1449
REFERENCE: (1)
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Form PTO-1449 U.S. DEPARTMENT OF COMMERCE (REV. 7-80) PATENT AND TRADEMARK OFFICE	Atty. Docket No. PHF 99,624	Serial No.
	Applicant PHILIPPE DECOTIGNIE	
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)	Filing Date CONCURRENTLY	Group

U.S. PATENT DOCUMENTS

Ex. Int.		Document Number	Date	Name	Class	Sub-class	Filing Date If Approp.
MZ	AA	5 9 1 3 1 7 5	6/15/99	PINAULT	455	558	
	AB						
	AC						
	AD						
	AE						
	AF						

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub-class	Trans. Yes	Trans. No
	AG							
	AH							
	AI							
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OTHER (Including Author, Title, Date, Pertinent Pages, Etc.)

	AL	
	AM	
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Examiner	Meless Zewdu	Date Considered 3/20/03

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1   01.12.2000

Anti-theft protection for a radiotelephony device

DESCRIPTION

FIELD OF THE INVENTION

The invention relates to a mobile radiotelephony device intended for

5   accommodating a user identification module, said device comprising:

–   connecting means for establishing a link between the device and the identification module
     mounted inside the device,

–   blocking means for preventing the normal operation of the device,

–   test means for activating the blocking means when the identification module mounted

10   inside the device is not the one that is linked to the device.

The invention also relates to a method of protecting such a device, and a
computer program for implementing such a method.

The invention notably has applications in the field of portable radiotelephony.
Portable radiotelephony devices are intended to accompany their users when they move

15   around. It happens that these devices are lost or stolen.

PRIOR ART OF THE INVENTION

United States patent 5,913,175, published 15 June 1999 describes a method of
protecting a radiotelephone which permits to avoid that the lost or stolen telephone can be

20   used by a third party with another user identification module. This method comprises
establishing a link between the device and a specific user identification module and blocking
the normal operation of the device when the user identification module that is placed inside
the device is not the one that is linked to the device.

When the device is lost or stolen with the identification module to which it is

25   linked, the user is to warn the operator so that the use of his identification module is blocked
at network level.

This means that the device can be freely used until the identification module to
which it is linked is blocked via the network. This may take a certain period of time.

2   01.12.2000

SUMMARY OF THE INVENTION

It is notably an object of the invention to resolve this problem. For this purpose, a device in accordance with the invention and as described in the opening paragraph is characterized in that it comprises:

5 – timing means for activating the blocking means after the device has been inactive for a defined period of time,

– and deblocking means for permitting normal operation of the device when the identification module placed inside the device is the one that is linked to the device and when a deblocking code is supplied by the user.

10 Thus, when the device falls into the hands of a third party together with the identification module to which it is linked, it has most probably been inactive for a period of time that is sufficiently long for its normal operation to be blocked (advantageously, the inactive time after which the blocking means are activated is of the order of several minutes). The device cannot thus be used without the deblocking code being supplied.

15 Thanks to the invention the lost or stolen device becomes totally unusable. A fraudulent person cannot send communications at the cost of the owner of the device. But neither can he use the device with another identification module. The theft of the device becomes totally useless. The invention thus forms a protection against theft.

In a particularly simple embodiment, the connecting means comprise reading
20 means and storage means of a data stored in the identification module, and the test means compare the thus stored data with the data stored in the identification module which is places inside the device. The data stored is formed, for example, by the international identification number IMSI which is contained in the identification module (compare standards relating to the GSM radiotelephony systems). Thus, the identification module is automatically linked to
25 the device without the intervention of the user, more particularly without the fact that a specific code has to be entered.

Advantageously the deblocking code, which is to be supplied to return to the normal operating mode, is formed by the pin code (Personal Identity Number) which is contained in the identification module (compare standards relating to the GSM
30 radiotelephony systems). Thus the user need not store an additional code to ensure the protection of his device.

3   01.12.2000

BRIEF DESCRIPTION OF THE DRAWINGS

These and other aspects of the invention are apparent from and will be elucidated, by way of non-limitative example, with reference to the embodiment(s) described hereinafter.

In the drawings:

Fig. 1 represents a device in accordance with the invention,

Fig. 2 represents an overall electric diagram of the device of Fig. 1, and

Fig. 3 represents a flow chart explaining the operation of the device of Fig. 1.

DESCRIPTION OF A PREFERRED EMBODIMENT OF THE INVENTION

In Fig. 1 is represented an electronic device in accordance with the invention. In the example described here this device is a portable radiotelephone of the type used in cellular systems. It notably comprises a microphone 5, a loudspeaker 6, a screen 8, a keypad 9 and an antenna 11. The device 1 also comprises a housing 12 intended for accommodating a user identification module 13. In the example of embodiment described here, this identification module 13 is a portable card of an integrated circuit in which information is stored, notably an international identification number currently called IMSI number, and a Personal Identification Number currently called PIN code.

Fig. 2 shows the overall electrical diagram of this device. The operation of the device is, in essence, controlled by a microprocessor assembly 20 which comprises a microprocessor 22 to which are associated a random access memory 24 and a read-only memory 26. This assembly is connected to a man-machine interface 30 via a common line 32. This man-machine interface 32 controls the screen 8 and the keypad 9. The common line 32 also connects the microprocessor assembly 20 to a transceiver assembly 35 via an interface circuit 38. The transceiver assembly is connected to the antenna 11. Finally, the common line 32 also connects the microprocessor assembly 20 to a card reader 39.

In Fig. 3 is represented a function flow chart of a device in accordance with the invention. This flow chart starts at box K1. In box K1 the device is in a state of availability, that is to say that the user has access to all the functions of the device. The user has the choice of either or not locking his device. This locking (L)/unlocking (UL) is done by accessing a configuration menu of the device. When the user locks his device (box K2), the identification module that is inside the device is automatically linked to the device. For this purpose, the device starts reading a data D1 in the identification module (for example, the

4   01.12.2000

international identification number IMSI) and he stores it in the random-access memory 24. Once locked, the device remains in the state of availability indicated in box K1. When the device is in the state of availability, one looks whether it is locked (box K3). If it is not locked (arrow N3), the device remains in the state of availability indicated in box K1. If it is

5   locked (arrow Y3), one looks whether the identification module which is placed inside the device is the one that is linked to the device (box K4).

If the identification module, which is placed inside the device, is not the one that is linked to the device (arrow N4), the device goes to a first blocking state indicated in box K5. In this first blocking state, the device is disconnected from the network. Thus it can

10   no longer receive an incoming call nor transmit an outgoing call (possibly with the exception of emergency numbers). In the blocking state K5, the screen shows a message inviting the user to insert the proper module into the device. And when the user inserts a new module, one looks whether this new identification module is the one that is connected to the device (box K7). If this is the case (arrow Y7), the device is reconnected to the network in

15   accordance with the normal procedure (box K8) and then the device returns to the state of availability indicated in box K1. If not (arrow N7), the operation is resumed in box K5. The only way of leaving this first blocking state is thus to place the identification module that is linked to the device inside the device.

If the identification module that is placed inside the device is linked to the

20   device (arrow Y4), one looks whether the device has remained in the state of availability for a certain period of time T of the order of several minutes, for example (box K10). If this is not the case (arrow N10), the device remains in the state of availability indicated in box K1. If this is the case (arrow Y10), the device passes on to a second blocking state indicated in box K11 by passing through an initialization step K12 which permits to initialize a variable A

25   which represents the number of attempts made at supplying a deblocking code (for example, the Personal Identification Number) PIN.

In this second blocking state the device only processes incoming calls (box K13) and, possibly, the outgoing calls that correspond to emergency numbers (box K14). Once these calls have been processed, the device goes back to the second blocking state

30   indicated in box K11. In the second blocking state K11 a message inviting the user to supply a deblocking code is displayed on the screen. If the code taken by the user is recognized (arrow Y11), the device goes back to the state of availability indicated in box K1. If it is not recognized (arrow N11), the value of the variable A is tested (box K15). If this value is lower than a certain figure (for example 3), the value of A is augmented by unity (box K16) and a

message is displayed on the screen to indicate the user that the code is not valid (box K17). Then the device goes back to the second blocking state indicated in box K11. If the variable A is higher than or equal to said figure, the test of box K15 causes the total blocking of the device indicated in box K30. To leave this third blocking state it is necessary to contact the

5   organization that provides the identification module. One is then again in the state of availability K1.

In another embodiment of the invention, when the user locks the telephone, the device asks for the user's name. The name given by the user is stored in the random access memory 24 of the device. When the identification module that is inside the device is

10   not the one that is linked to the device, the device displays the name of the user before asking him to insert his identification module as indicated in box K5. The device also displays the name of the user before asking him to supply his personal code as indicated in box K11.

The embodiment that has just been described is particularly effective, because it provides two separate blocking modes depending on whether the identification module that

15   is placed inside the device is either or not linked to the device. The first blocking mode is applied in the case where the device has been lost or stolen. The object is then to prevent the device being usable with another identification module. It thus advantageously blocks the incoming and outgoing calls at the same time. The second blocking mode is applied in the case where the identification module that is linked to the device is in its place inside the

20   device and the device is in a state of availability. The object is to prevent a third party being able to send outgoing calls with this device if it is lost, stolen or left without attendance for some time. In that case, it is desirable for the user to be able to continue to directly receive his incoming calls.

In another embodiment the same blocking means are used as the identification

25   module which is placed inside the device either or not linked to the device, for example, the second blocking means. In that case it is possible for receiving incoming calls intended for the identification module that is inside the device, even when this identification module placed inside the device is not linked to the device.

add
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CLAIMS:

1.   A mobile radiotelephony device intended for accommodating a user identification module, said device comprising:

-- connecting means for establishing a link between the device and the identification module mounted inside the device,

5   – blocking means for preventing the normal operation of the device,

-   test means for activating the blocking means when the identification module mounted inside the device is not the one that is linked to the device,

characterized in that it comprises:

-   timing means for activating the blocking means after the device has been inactive for a

10   defined period of time,

-   and deblocking means for permitting normal operation of the device when the identification module placed inside the device is the one that is linked to the device and when a deblocking code is supplied by the user.

15   2.   A device as claimed in claim 1, characterized in that said blocking means comprise first blocking means for preventing the transmission and reception of calls when the identification module placed inside the device is not the one that is linked to the device, and second blocking means for preventing the sending of calls after a defined period of time during which the device has been inactive, with the exception of one or various emergency

20   numbers.

3.   A device as claimed in claim 1, characterized in that it comprises locking/unlocking means for locking/unlocking the device, while said blocking means can only be activated when the device is locked, and said link is established while the device is

25   being locked.

4.   A device as claimed in claim 1, characterized in that said connecting means comprise means for reading and storing a data stored in the identification module, and in that

said test means compare this data thus stored with the data stored in the identification module that is placed inside the device.

5.   A device as claimed in claim 3, characterized in that said data is formed by the
international identification number stored in the user identification module.

6.   A device as claimed in claim 1, characterized in that said deblocking code is
formed by the personal identification number stored in the identification module.

7.   A method of protecting a mobile radiotelephony device intended for
accommodating a user identification module, said method comprising the following steps:
−   setting up a link between the device and the identification module placed inside the
    device,
−   testing to verify whether the identification module placed inside the device is the one that
    is linked to the device,
−   blocking the normal operation of the device when the identification module placed inside
    the device is not the one that is linked to the device,
characterized in that it comprises the following steps:
−   detection of a period of inactivity of the device,
−   blocking of the normal operation of the device when said period of inactivity has been
    detected,
−   deblocking which permits the normal operation of the device when the identification
    module placed inside the device is the one that is linked to the device and when a
    deblocking code has been supplied by the user.

8.   A method as claimed in claim 6 of protecting a mobile radiotelephony device,
characterized in that it comprises a step of locking the device, while the blocking steps can
only be executed when the device is locked, and the step of establishing a link between the
device and the identification module placed inside the device is executed when the device is
locked.

9.   A method as claimed in claim 6 of protecting a mobile radiotelephony device,
characterized in that the step of establishing a link between the device and the identification
module placed inside the device comprises a step of reading and storing a data stored in said

8   01.12.2000

identification module, and in that the test step comprises comparing the data thus stored with
the data stored in the identification module that is placed inside the device.

10.   A computer program comprising means for implementing a method as claimed
5   in claim 7 of protecting a mobile radiotelephony device.

PHF 99.624

9   01.12.2000

ABSTRACT:

The invention proposes a method of protecting a mobile radiotelephony device intended for accommodating a user identification module to be able to operate. The invention has for its object to protect such a device against theft.

For this purpose, a device in accordance with the invention comprises means for:

- preventing the use of the device with an identification module other than the user's,
- asking the user for a deblocking code after a short time that the device has been inactive and preventing the use of the device if this code has not been supplied.

Reference: Fig. 2

5

10

DECLARATION and POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled
"Anti-theft protection for a radiotelephony device"
the specification of which (check one)

☐ is attached hereto.

☐ was filed on _____ as Application Serial No. _____ and was amended on
_____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by the amendment(s) referred to above.

I acknowledge the duty to disclose information which is material to patentability of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

PRIOR FOREIGN APPLICATION(S)

COUNTRY	APP. NUMBER	DATE OF FILING (DATE, MONTH, YEAR)	PRIORITY CLAIMED UNDER 35 U.S.C. 119
France	9916136	21 December 1999	YES

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35 United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1,56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

PRIOR UNITED STATES APPLICATION(S)

APPLICATION SERIAL NUMBER	FILING DATE	STATUS (PATENTED, PENDING, ABANDONED)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (list name and registration number)

Jack E. Haken, Reg. No. 26,902

Michael E. Marion, Reg. No. 34,266

Edward M. Blocker, Reg. No. 30,245

SEND CORRESPONDENCE TO: Corporate Patent Counsel; U.S. Philips Corporation; 580 White Plains Road; Tarrytown, NY 10591	DIRECT TELEPHONE CALLS TO: (name and telephone No.) (914) 332-0222

Dated:		Inventor's Signature:		
Full Name of Inventor	Last Name **DECOTIGNIE**	First Name **Philippe**	Middle Name	
Residence & Citizenship	City **Le Mans**	State or Foreign Country **France**	Country of Citizenship **France**	
Post Office Address	Street **21, rue du Tertre Saint-Pierre**	City **72000 Le Mans**	State or Country **France**	Zip Code

FIG.1
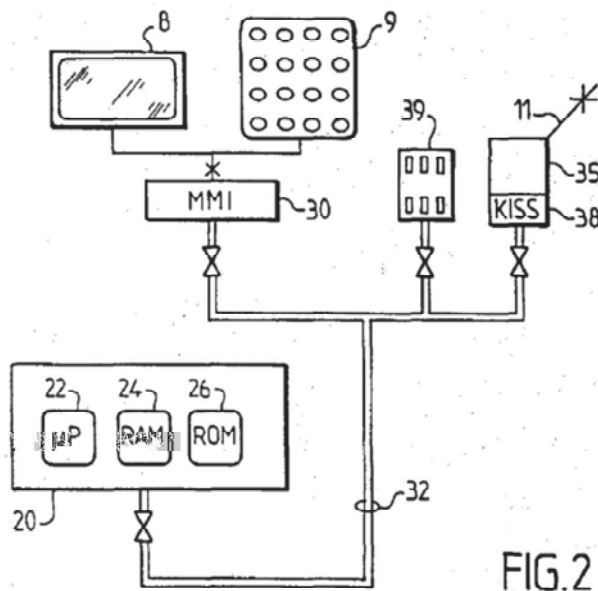
FIG.2

2/2
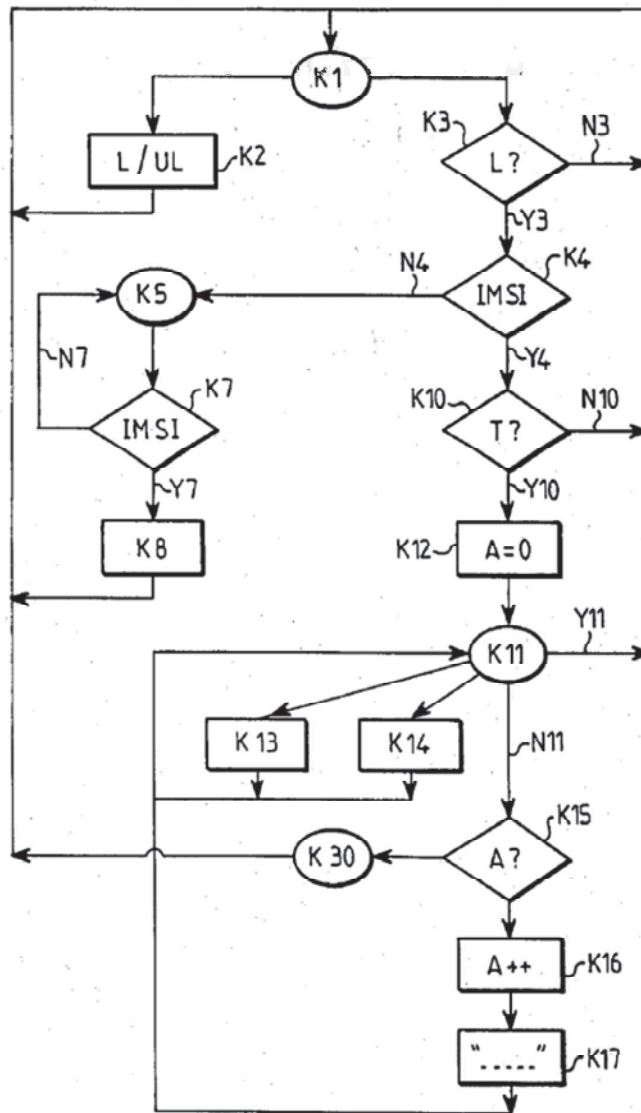
FIG.3

File History Content Report

The following content is missing from the original file history record obtained from the United States Patent and Trademark Office. No additional information is available.

Document Date - 2000-12-18

Document Title - Certified Copy of Foreign Priority Application

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

PHILIPPE DECOTIGNIE

Serial No.

Filed: CONCURRENTLY

Title: ANTI-THEFT PROTECTION FOR A RADIOTELEPHONY DEVICE

Atty. Docket

PHF 99,624

Group Art Unit

Ex.

Commissioner for Patents
Washington, D.C. 20231

<u>AUTHORIZATION PURSUANT TO 37 CFR §1.136(a)(3)</u>
<u>AND TO CHARGE DEPOSIT ACCOUNT</u>

Sir:

The Commissioner is hereby requested and authorized to
treat any concurrent or future reply in this application requiring
a petition for extension of time for its timely submission, as
incorporating a petition for extension of time for the appropriate
length of time.

Please charge any additional fees which may now or in the
future be required in this application, including extension of time
fees, but excluding the issue fee unless explicitly requested to do
so, and credit any overpayment, to Deposit Account No. 14-1270.

Respectfully submitted,

By

Michael E. Marion, Reg. 32,266
Attorney
(914) 333-9641

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File History Content Report

The following content is missing from the original file history record obtained from the
United States Patent and Trademark Office. No additional information is available.

Document Date -   2001-03-05

Document Title -   USPTO Communication Re: Change of Address

UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20231
www.uspto.gov

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
09/739,507	12/18/2000	Philippe Decotignie	PHF 99,624

CONFIRMATION NO. 3125

Jack E. Haken
U.S. Philips Corporation
580 White Plains Road
Tarrytown, NY 10591

FORMALITIES LETTER

OC000000005830416

Date Mailed: 03/06/2001

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given TWO MONTHS from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is unsigned.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of $130 for a non-small entity, must be submitted with the missing items identified in this letter.
- **The balance due by applicant is $ 130.**

A copy of this notice MUST be returned with the reply.

Customer Service Center
Initial Patent Examination Division (703) 308-1202

PART 3 - OFFICE COPY

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the Application of   Atty. Docket
PHILIPPE DECOTIGNIE   PHF 99,624

Serial No. 09/739,507   Group Art Unit: 2681

Filed: DECEMBER 18, 2000   Examiner

Title: ANTI-THEFT PROTECTION FOR RADIOTELEPHONY DEVICE
Commissioner for Patents
Washington, D.C. 20231
ATTENTION: APPLICATION DIVISION

<div align="center">RESPONSE TO NOTICE TO FILE MISSING
PARTS OF APPLICATION</div>

Sir:

   In response to the NOTICE TO FILE MISSING PARTS OF
APPLICATION mailed on MARCH 6, 2001, enclosed is a Declaration,
properly signed by the Applicant and referring to the above case by
its Serial Number and filing date, in compliance with 37 CFR 1.63,
and a copy of the Notice. Accordingly, the above-identified patent
application is now complete.

   Please charge Deposit Account No. 14-1270 in the
amount of $130.00 for the surcharge for filing the Declaration on a
date later than the filing date of the application, as set forth in
37 CFR 1.16(e).

         Respectfully submitted,

        By _____
        Jack D. Slobod, Reg. 26,236
        Attorney
        (914) 333-9606

DECLARATION and POWER OF ATTORNEY

#3

ATTORNEY'S DOCKET NO.:
PHF 99.624

As a below named inventor, I hereby declare that:

My residence, postoffice address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

"Anti-theft protection for a radiotelephony device"

the specification of which (check one)

☐ is attached hereto.

☒ was filed on __18 December 2000__ as Application Serial No. __09/739,507__ and was amended on _____

(if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by the amendment(s) referred to above.

I acknowledge the duty to disclose information which is material to patentability of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

PRIOR FOREIGN APPLICATION(S)

COUNTRY	APP. NUMBER	DATE OF FILING (DATE, MONTH, YEAR)	PRIORITY CLAIMED UNDER 35 U.S.C. 119
France	9916136	21 December 1999	YES

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35 United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

PRIOR UNITED STATES APPLICATION(S)

APPLICATION SERIAL NUMBER	FILING DATE	STATUS (PATENTED, PENDING, ABANDONED)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (list name and registration number)

Jack E. Haken, Reg. No. 26,902

Michael E. Marion, Reg. No. 32266

Edward M. Blocker, Reg. No. 30,245

SEND CORRESPONDENCE TO: Corporate Patent Counsel; U.S. Philips Corporation; 580 White Plains Road; Tarrytown, NY 10591	DIRECT TELEPHONE CALLS TO: (name and telephone No.) (914) 332-0222

Dated: 25 February 2001	Inventor's Signature:		
Full Name of Inventor	Last Name **DECOTIGNIE**	First Name **Philippe**	Middle Name
Residence & Citizenship	City **Le Mans**	State or Foreign Country **France**	Country of Citizenship **France**
Post Office Address	Street **21, rue du Tertre Saint-Pierre**	City **72000 Le Mans**	State or Country **France**	Zip Code

UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
09/739,507	12/18/2000	Philippe Decotignie	PHF 99,624

CONFIRMATION NO. 3125
FORMALITIES LETTER

Jack E. Haken
U.S. Philips Corporation
580 White Plains Road
Tarrytown, NY 10591

CC000000005830418

Date Mailed: 03/06/2001

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given TWO MONTHS from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is unsigned.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of $130 for a non-small entity, must be submitted with the missing items identified in this letter.
- **The balance due by applicant is $ 130.**

A copy of this notice MUST be returned with the reply.

Customer Service Center
Initial Patent Examination Division (703) 308-1202
PART 2 - COPY TO BE RETURNED WITH RESPONSE

04/06/2001 EEKUBAY1 00000073 141270   09739507
01 FC:135   130.00 CH

File History Content Report

The following content is missing from the original file history record obtained from the
United States Patent and Trademark Office. No additional information is available.

Document Date -   2001-05-16

Document Title -   USPTO Communication Re: Change of Address

$^{h\nu}l$ 2681

INFORMATION DISCLOSURE STATEMENT TRANSMITTAL	Application Number	09/739,507
	Filing Date	DECEMEBR 18, 2000
	First Named Inventor	PHILIPPE DECOTIGNIE
	Group Art Unit	2681
To Commissioner For Patents	Examiner Name	# 5
Enclosed herewith is a Form PTO-1449, required copies of documents listed thereon, and a concise explanation of their relevance is described below or enclosed herewith per 37 CFR 1.97.	Attorney Docket Number	PHF 99,624 8/16/01

M3

These documents may be relevant in that they have been:

☐   considered in drafting the specification of the above-referenced application;

☐   cited in the specification of the above-referenced application;

☐   previously submitted or cited in U.S. patent application(s) _____ which are relied on for an earlier effective filing date under 35 U.S.C. 120 (no copy required); or

☒   cited as an "X" or "Y" document in a foreign Patent Office search report on a foreign counter part application, a copy of which report is also enclosed;
     ☐   I hereby certify that these documents were first cited in any communication with a foreign Patent Office for a counterpart foreign application not more than three (3) months ago;

☐   otherwise a concise explanation of the relevance of each document is append hereto.
     ☐   I hereby certify that not one of these documents was cited in any communication with a foreign Patent Office nor was any known to any individual designated in §1.56(c) more than three (3) months ago.

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQURIED

Name (Print Type)	JACK D. SLOBOD,	Registration No. (Attorney/Agent)	26,236
Signature	*[signature]*	Date	August 8, 2001

CERTIFICATE OF MAILING OR TRANSMISSION

I hereby certify that this is being deposited with the U.S. Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner For Patents, Washington, DC 20231, or facsimile transmitted to the U.S. Patent and Trademark Office telf : _____ on the date below.

Name (Print Type)	NATALE A. MANZO		
Signature	*[signature]*	Date	8/8/01

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Form PTO-1449 U.S. DEPARTMENT OF COMMERCE (REV. 7-80) PATENT AND TRADEMARK OFFICE	Atty. Docket No. PHF 99,624	Serial No. 09/739,507

	Applicant PHILIPPE DECOTIGNIE	

INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)	Filing Date DECEMBER 18, 2000	Group 2681

U.S. PATENT DOCUMENTS

Ex. Int.		Document Number	Date	Name	Class	Sub-class	Filing Date If Approp.
	AA						
	AB						
	AC						RECEIVED
	AD						AUG 1 5 2001
	AE						Technology Center 2600
	AF						

FOREIGN PATENT DOCUMENTS

		Document Number								Date	Country	Class	Sub-class	Trans. Yes	Trans. No
11.2	AG	2	2	8	7	8	5	5	A	9/1995	GREAT BRITAIN	H04M	H04Q		
	AH														
	AI														
	AJ														
	AK														

OTHER (Including Author, Title, Date, Pertinent Pages, Etc.)

	AL	C.P. Schultz, "Communication Device Inactivity Password Lock", Motorola Technical Developments, November 1996, vol. 29, pp. 91-92, XP000691885
	AM	
	AN	

Examiner Zewdu, Melees	Date Considered 8/20/03

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP. Draw line through citation if not in conformance and not considered. Include a copy this form with next communication to applicant.

S:\SL\MI07SLKO.NCO.doc

#6
5/29/03
at

CHANGE OF ADDRESS/POWER OF ATTORNEY

FILE LOCATION   26C1   SERIAL NUMBER 09739507   PATENT NUMBER

THE CORRESPONDENCE ADDRESS HAS BEEN CHANGED TO CUSTOMER # 24737

THE PRACTITIONERS OF RECORD HAVE BEEN CHANGED TO CUSTOMER # 24737

THE FEE ADDRESS HAS BEEN CHANGED TO CUSTOMER # 24737

ON 04/09/03 THE ADDRESS OF RECORD FOR CUSTOMER NUMBER 24737 IS:

        PHILIPS ELECTRONICS NORTH AMERICAN CORP
        580 WHITE PLAINS RD
        TARRYTOWN NY 10591

AND THE PRACTITIONERS OF RECORD FOR CUSTOMER NUMBER 24737 ARE:

| 22861 | 26236 | 26358 | 26531 | 26902 | 27677 | 28613 | 30245 | 32266 | 32603 |
| 33357 | 35721 | 36921 | 37520 | 39398 | 39703 | 40007 | 42079 | 42080 | 43305 |

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MAY 1 2 2003

Technology Center 2600

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CORRESPONDENCE ADDRESS HAS BEEN CHANGED TO CUSTOMER NUMBER:
RECORD, ON THE NEXT AVAILABLE CONTENTS LINE OF THE FILE JACKET,
'ADDRESS CHANGE TO CUSTOMER NUMBER'. LINE THROUGH THE OLD
ADDRESS ON THE FILE JACKET LABEL AND ENTER ONLY THE 'CUSTOMER
NUMBER' AS THE NEW ADDRESS. FILE THIS LETTER IN THE FILE JACKET.
WHEN ABOVE CHANGES ARE ONLY TO FEE ADDRESS AND/OR PRACTITIONERS
OF RECORD, FILE LETTER IN THE FILE JACKET.
THIS FILE IS ASSIGNED TO GAU 2683.

PTO-FMD
TALBOT-1/97

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
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Alexandria, Virginia 22313-1450
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/739,507	12/18/2000	Philippe Decotignie	PHF 99,624	3125

24737   7590   08/27/2003

PHILIPS INTELLECTUAL PROPERTY & STANDARDS
P.O. BOX 3001
BRIARCLIFF MANOR, NY   10510

EXAMINER
ZEWDU, MELESS NMN

ART UNIT	PAPER NUMBER
2683	7

DATE MAILED: 08/27/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 07-01)

	Application No.	Applicant(s)
Office Action Summary	09/739,507	DECOTIGNIE, PHILIPPE
	Examiner	Art Unit
	Meless N Zewdu	2683

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE _3_ MONTH(S) FROM
THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) ☐ Responsive to communication(s) filed on _____ .

2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.

3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) ☐ Claim(s) _1-10_ is/are pending in the application.

4a) Of the above claim(s) _none_ is/are withdrawn from consideration.

5) ☐ Claim(s) _none_ is/are allowed.

6) ☐ Claim(s) _1-10_ is/are rejected.

7) ☐ Claim(s) _none_ is/are objected to.

8) ☐ Claim(s) _none_ are subject to restriction and/or election requirement.

Application Papers

9) ☐ The specification is objected to by the Examiner.

10) ☐ The drawing(s) filed on _18 December 2000_ is/are: a)☐ accepted or b)☒ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

11) ☐ The proposed drawing correction filed on _____ is: a)☐ approved b)☐ disapproved by the Examiner.

If approved, corrected drawings are required in reply to this Office action.

12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☒ All b)☐ Some * c)☐ None of:

1. ☐ Certified copies of the priority documents have been received.

2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).

a) ☐ The translation of the foreign language provisional application has been received.

15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _4 and 5_ .

4) ☐ Interview Summary (PTO-413) Paper No(s). _____ .
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other:

U S Patent and Trademark Office
PTOL-326 (Rev 04-01) Office Action Summary Part of Paper No. 7

DETAILED ACTION

1.   This action is the first on the merit of the instant application.

2.   Claims 1-10 are pending in this action.

Drawings

The drawings are objected to because of lack of proper labeling. The figures and parts of the figures should be labeling for purposes of clarity (e.g. Radiotelephone; SIM card; Display etc.) A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

Specification

The abstract of the disclosure is objected to because of the following reasons. One, it is presented in more than one paragraph. Rules and practices of the Office require that the abstract should be of one single paragraph. Two, no other text may follow the abstract. In this case the text "Reference: Fig. 2", in line 10 of the abstract is not inline with the rules and practices of the US PTO. If applicant wishes, reference figures can be incorporated into the body of the abstract and in parenthesis. Correction is required. See MPEP § 608.01(b).

The disclosure is objected to because of the following informalities: the phrase, " In the drawings" on page 3, line 6 is an improper heading. It should be changed with "Brief Description of the Drawings". Appropriate correction is required.

Claim Objections

Claim 8 is objected to because of the following informalities: claim 8 is a method claim which improperly made to depend on the apparatus claim of 1. Claim 8 and all claims that subsequently depend from it should further limit the method steps of claim 7 or be modified in a form of apparatus claim 1. Appropriate correction is required.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claim 10 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. The program needs to be embedded on a computer readable medium within the method to carry out the steps.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1 and 3-10 are rejected under 35 U.S.C. 103(a) as being unpatentable

over Pinault (US 5,913,175) in view of Grant et al. (Grant) (US 6,095,416).

As per claim 1: a mobile radiotelephone device intended for accommodating a user

identification module, said device comprising:

A connecting means for establishing a link between the device and the identification

module mounted inside the device dreads on '175 (see abstract; col. 1, lines 32-39; col.

3, lines 49-63).

Blocking means for preventing the normal operation of the device reads on '175 (see

col. 6, lines 3-7; col. 9, line 63-col. 10, line 7).

Test means for activating the blocking means when the identification module mounted

inside the device is not the one that is linked to the device reads on '175 (see col. 6,

lines 48-67; col. 11, lines 34-57). But, Pinault does not explicitly teach about a timing

means for activating the blocking means after the device has been inactive for a defined

period of time and de-blocking means for permitting normal operation of the device

when the identification module placed inside the device is the one that is linked to the

device and when a de-blocking code is supplied by the user, as claimed by applicant.

However, in a related field of endeavor, Grant teaches about a "method and device for preventing unauthorized use of credit card" wherein a card, such as a credit card with personal information, is provided with a timing means that disables the card after a predetermined period of activation (see col.3, lines 59-65). Furthermore, the card, among others can be a smart electronic card (see col. 4, lines 1-3) which can be associated to a portable auxiliary device (see col. 3, lines (see 65-67). Once, deactivated after a predetermined period of inactivity, the card can be reactivated by using a personal identification number (PIN) provided by the user (see col. 10, lines 43-48). The subscriber identification module (SIM) in Pinault's reference and the credit card (the smart card version) in Grant's reference are both smart cards and both for use in providing protection/security for personal information, and hence, combinable. Therefore, it would have been obvious for one of ordinary skill in the art at the time the invention was made to modify Pinault's SIM with the teaching of Grant for the advantage of preventing the SIM card from fraudulent use by unauthorized person.

As per claim 3: a device characterized in that it comprises:

Locking/unlocking means for locking/unlocking the device, while said blocking means can only be activated when the device is locked, and said link is established while the device is being locked reads on '175 (see col. 5, line 58-col. 6, line 32).

As per claim 4: a device characterized in that said connection means comprises:

Means for reading and storing a data stored in the identification module, and that said test means compares this data thus stored with the data in the identification module that is placed inside the device reads on 175 (see col. 6, lines 52-67; col. 11, lines 42-57).

As per claim 5: a device characterized in that:

Said data is formed by the international identification number stored in the user

identification module, dreads on '175 (see col. 1, lines 32-39).

As per claim 6; a device characterized in that:

Said de-blocking code is formed by the personal identification number stored in the

identification module reads on '175 (see col. 1, lines 58-65).

As per claim 7: most of the features of claim 7 are similar to the features of claim 1.

Hence the similar features are rejected on the same ground and motivation as claim 1.

The difference feature, which is directed to blocking of the normal operation of the

device when said period of inactivity has been detected, reads on '416 (see col. 3, lines

59-67).

As per claim 8: a method of protecting a mobile radiotelephone device characterized in

that it comprises:

A step of locking the device, while the blocking steps can only be executed when the

device is locked, and the step of establishing a link between the device and the

identification module placed inside the device is executed when the device is locked

reads on '175 (see col.6, lines 1-22).

As per claim 9: a method of protecting a mobile radiotelephone device, characterized

in that the step of establishing a link between the device and the identification module

placed inside the device comprises:

A step of reading and storing a data stored in said identification module, and in that the

test step comprises comparing thus stored with the data stored in the identification

module that is placed inside the device reads on '175 (see col. 5, lines 41-53; col. 6, lines 52-61).

As per claim 10: a computer program comprising means for implementing a method as claimed in claim 7 of protecting a mobile radiotelephone device reads on '175 (see col. 1, line 44-col. 2, line 36; col. 4, lines 46-49; col. 11, lines 63-67) Algorithm is a body of steps a given program follows.

Claim 2 is rejected under 35 U.S.C. 103(a) as being unpatentable over Pinault in view of Grant as applied to claim 1 above, and further in view of Miller et al. (Miller) (US 6,141,563).

As per claim 2: some of the features of claim 2, particularly the first blocking and second blocking, are similar to the features of claim 1. Hence, the similar features of claim 2 are rejected on the same ground and motivation as claim 1. The difference feature of claim 2 from claim 1 is the one directing to excepting/allowing one or more emergency numbers which is not taught by both of the references used in claim 1. However, in a related field of endeavor, Miller teaches a subscriber unit can be preprogrammed to permit access to use, without the SIM card, for emergency fire or police numbers (see col. 4, lines 20-39). Therefore, it would have been obvious for one of ordinary skill in the art at the time the invention was made modify the above references with the teaching of Miller for the advantage of summoning help during an emergency situation.
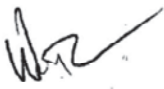
Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Meless N Zewdu whose telephone number is (703) 306-5418. The examiner can normally be reached on 8:30 am to 5:00 pm..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Trost can be reached on (703) 308-5318. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 306-0377.

Meless Zewdu

Examiner

21 August 2003.

WILLIAM TROST
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600

		Notice of References Cited		Application/Control No. 09/739,507	Applicant(s)/Patent Under Reexamination DECOTIGNIE, PHILIPPE	
				Examiner Meless N Zewdu	Art Unit 2683	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-5,913,175	06-1999	Pinault	455/558
	B	US-,,	08-2000	Grant et al.	235/449
	C	US-6,141,563	10-2000	Miller et al.	455/558
	D	US-5,907,804	05-1999	Schroderus et al.	455/411
	E	US-6,490,463 B1	12-2002	Portalier et al.	455/557
	F	US-5,204,663	04-1993	Lee	340/825.34
	G	US-6,583,714 B1	06-2003	Gabou et al.	340/5.54
	H	US-6,119,000	09-2000	Stephenson et al.	455/432
	I	US-6,396,115 B2	06-2002	krause	235/492
	J	US-			
	K	US-			
	L	US-			
	M	US-			

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

U S Patent and Trademark Office
PTO-892 (Rev. 01-2001)　　　　　　　　　　Notice of References Cited　　　　　　　Part of Paper No. 7

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CARDINAL LAW GROUP

1603 Orrington Avenue/Suite 2000
Evanston, Illinois 60201
Telephone 847 – 905 - 7111
Facsimile 847 – 905 – 7113

CONFIDENTIAL ATTORNEY-CLIENT
PRIVILEGED COMMUNICATION

Date:	DECEMBER 2, 2003
To:	EXAMINER MELESS NMN ZEWDU
	U.S. PATENT AND TRADEMARK OFFICE
Fax #:	(703) 872-9314
From:	DARRIN WESLEY HARRIS
Fax #:	(847) 905-7111
Client/Matter No.:	PHF 99,624 (7790/310)
# of Pages: (including cover sheet)	19

IF YOU HAVE ANY PROBLEMS RECEIVING THIS MESSAGE, PLEASE CALL 847/905-7111, Ext. 2289 AND ASK FOR **JENNIFER CRUZ**.

TRANSMITTAL FORM	Attorney Docket No.	PHF 98,824 (7790/310)
	Application Number	09/739,507
	Filing Date	DECEMBER 18, 2000
	First Named Inventor	PHILIPPE DÉCOTIGNIE
(to be used for all correspondence after initial filing)	Group Art Unit	2883
	Examiner	ZEWDU, MELESS NMN
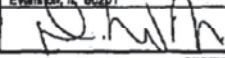
ENCLOSURES *(check all that apply)*

- ☒ Response to Non-Final Office Action Dated August 27, 2003
  - ☐ After Final
  - ☐ Affidavits/declaration(s)
- ☐ Status Letter
- ☒ One-Month Petition for Extension of Time Request (dup)
- ☐ Express Abandonment Request
- ☐ Information Disclosure Statement, PTO-1449, art
- ☐ Certified Copy of Priority Document(s)
- ☐ Response to Missing Part/ Incomplete Application

- ☐ Assignment Papers (for an Application)
- ☐ Substitute Drawing:
- ☐ After Allowance Communication to Group
- ☐ Petition Routing Slip (PTO/SB/69) and Accompanying Petition
- ☐ To Convert a Provisional Application
- ☐ Power of Attorney, Revocation Change of Correspondence Address
- ☐ Terminal Disclaimer
- ☐ Small Entity Statement
- ☐ Request of Refund
- ☒ The Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment, to Deposit Account No. 50-1713. A duplicate copy of this sheet is enclosed.
- ☒ I hereby petition under 37 CFR § 1.136(a) for any extension of time required to ensure that this paper is timely filed. Please charge any associated fees which have not otherwise been paid to Deposit Account No. 50-1713. A duplicate copy of this sheet is enclosed.

- ☐ Appeal Communication to Board of Appeals and Interferences
- ☐ Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
- ☐ Proprietary Information
- ☐ Post Card Receipt
- ☒ Additional Enclosure(s) (please identify below):
- ☒ Replacement Drawing Sheet 1/2
- ☐
- ☐

CALCULATION OF FEE

	Claims After Amendment		Highest No. Previously Paid For	Present Extra	Small Entity		or	Large Entity	
					Rate	Add'l Fee		Rate	Add'l Fee
Total		Minus		0	x $9=	0		x $18=	
Indep.		Minus		0	x $43=	0		x $86=	
First Presentation of Multiple Dep. Claim					+$145=	—		+$290=	
					total add'l fee	$ 0		total add'l fee	$

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	DARRIN WESLEY HARRIS Registration No. 40,636 CARDINAL LAW GROUP 1603 Orrington Avenue, Suite 2000 Evanston, IL 60201		
Signature	*[signature]*	Date	DECEMBER 2, 2003

CERTIFICATE OF FACSIMILE

I hereby certify that this correspondence is being transmitted by facsimile to (703) 872-9314 to the United States Patent and Trademark Office on this date: _____   DECEMBER 2, 2003

Signature	*[signature]* DARRIN WESLEY HARRIS (40,636)	Date	DECEMBER 2, 2003

#8

12/5/03

I hereby certify that this correspondence is being transmitted by facsimile to (703) 872-9314 to the United States Patent and Trademark Office on this date: December 2, 2003.

DECEMBER 2, 2003

DARRIN WESLEY HARRIS

PETITION FOR EXTENSION OF TIME UNDER 37 CFR 1.136(a)	Docket Number PHF 99,624 000034

In re Application of:	PHILIPPE DECOTIGNIE	
Application Number:	09/739,507	Filed:	DECEMBER 18, 2000

For:	ANTI-THEFT PROTECTION FOR A RADIOTELEPHONY DEVICE

Group Art Unit: 2683	Examiner: ZEWDU, MELESS NMN

This is a request under the provisions of 37 CFR 1.136(a) to extend the period for filing a response to Office Action dated August 27, 2003 in the above identified application.

The requested extension and appropriate non-small-entity fee are as follows:

[X] One month (37 CFR 1.17(a)(1)) $ 110.00

[ ] Two months (37 CFR 1.17(a)(2)) $ 420.00

[ ] Three months (37 CFR 1.17(a)(3)) $ 950.00

[ ] Four months (37 CFR 1.17(a)(4)) $ 1,480.00

[ ] Five months (37 CFR 1.17(a)(5)) $ 2,010.00

[ ] Applicant is a small entity under 37 CFR 1.9 and 1.27; therefore the fee amount shown above is reduced by one-half, and the resulting fee is $_____

A small entity statement under 37 CFR 1.27:
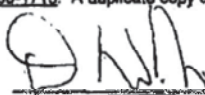
[ ] is enclosed.

[ ] has already been filed in this application.

[ ] A check in the amount of $_____ is enclosed.

[X] The Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment, to Deposit Account No. 50-1713. A duplicate copy of this sheet is enclosed.

Dated: DECEMBER 10, 2003

DARRIN WESLEY HARRIS
Registration No. 40,636
Attorney for Applicants

CARDINAL LAW GROUP
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1603 Orrington Avenue
Evanston, Illinois 60201
(847) 905-7111

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PATENT
<u>Case No. PHF 99,624</u>
(7790/310)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of:	)	
	)	
PHILIPPE DECOTIGNIE	)	Examiner: ZEWDU, MELESS
	)	
Serial No.: 09/739,507	)	Group Art Unit: 2683
	)	
Filed: DECEMBER 18, 2000	)	
	)	
For: ANTI-THEFT PROTECTION FOR	)	
A RADIOTELEPHONY DEVICE	)	

RESPONSE TO NON-FINAL OFFICE ACTION DATED AUGUST 27, 2003

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In response to the non-final Office action of August 27, 2003, please amend
the above referenced application as follows and reconsider the application in light of
the following remarks.

A

SPECIFICATION AMENDMENTS:

Please amend the paragraph beginning at page 1, line 4 as follows:

"The invention relates to a mobile radiotelephony device intended for accommodating a user identification module, where the device has an established link to an identification module to thereby prevent a normal operation of the device when an identification module other than the linked identification module is mounted inside the device. device comprising:

connecting means for establishing a link between the device and the identification module mounted inside the device;

blocking means for preventing the normal operation of the device;

test means for activating the blocking means when the identification module mounted inside the device is not the one that is linked to the device."

Please amend the paragraph beginning at page 2, line 2 as follows:

"It is notably an object of the invention to resolve this problem. For this purpose, a device in accordance with the invention (1) verifies a user identification module mounted inside the mobile radiotelephony device is linked to the mobile radiotelephony device, (2) detects a period of inactivity of the mobile radiotelephony device during a normal operation of the mobile radiotelephony device, wherein the normal operation includes a processing of all outgoing calls, and (3) prevents the normal operation of the mobile radiotelephony device in response to the verification of the user identification module and in response to the detection of the period of inactivity of the mobile radiotelephony device, and as described in the opening paragraph is characterized in that it comprises:

timing means for activating the blocking means after the device has been inactive for a defined period of time;

and deblocking means for permitting normal operation of the device when the identification module placed inside the device is the one that is linked to the device and when a deblocking code is supplied by the user."

Please amend the paragraph beginning on page 3, line 20 as follows:

a3

"Fig. 2 shows the overall electrical diagram of this device 1. The operation of the device 1 is, in essence, controlled by a microprocessor assembly 20 which comprises a microprocessor ("µP") 22 to which are associated a random access memory ("RAM") 24 and a read-only memory ("ROM") 26. This assembly is connected to a man-machine interface 30 via a common line 32. This man-machine interface 32 controls the screen 8 and the keypad 9. The common line 32 also connects the microprocessor assembly 20 to a transceiver assembly ("TX") 35 via an interface circuit 38. The transceiver assembly 35 is connected to the antenna 11. Finally, the common line 32 also connects the microprocessor assembly 20 to a card reader 39."

Please add the following paragraph beginning on page 5, line 29 as follows:

a4

"While the embodiments of the invention disclosed herein are presently considered to be preferred, various changes and modifications can be made without departing from the spirit and scope of the invention. The scope of the invention is indicated in the appended claims, and all changes that come within the meaning and range of equivalents are intended to be embraced therein."

Please amend the Abstract as attached hereto.

A

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Case No. PHF 99,624 (7790/310)
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Filed: December 18, 2000
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DRAWING AMENDMENTS:

The attached replacement informal drawing sheet 1/2 includes proposed changes to FIGS. 1 and 2. Specifically, "1" has been added to FIG. 1 to label the device, "D1" has been added within module 13 of FIG. 1 to label the IMIS data, and "TX" has been added within transceiver assembly 35 of FIG. 2.

CLAIM AMENDMENTS:

Claims 1-10 are currently pending in the application.

Please cancel claims 1-10 without prejudice or disclaimer as to the subject matter of claims 1-10.

Please add claims 11-30 as shown below.

The following listing of claims 1-30 will replace all prior versions, and listings, of claims in the application:

1.-10. (Cancelled)

11.   (New) A mobile radiotelephony device, comprising:

blocking means for preventing a normal operation of the mobile radiotelephony device, wherein the normal operation includes a processing of outgoing calls;

timing means for activating the blocking means in response to the mobile radiotelephony device being inactive during the normal operation of the mobile radiotelephony device for a defined period of time subsequent to a mounting of a linked user identification module inside the mobile radiotelephony device; and

deblocking means for permitting the normal operation of the mobile radiotelephony device in response to a supply of a debugging code to the mobile radiotelephony device subsequent to the mounting of the linked user identification module inside the mobile radiotelephony device and subsequent to the defined period of time.

12.   (New) The mobile radiotelephony device of claim 11, wherein an activation of the blocking means prevents all transmission of outgoing calls.

13.   (New) The mobile radiotelephony device of claim 11, wherein an activation of the blocking means prevents all transmissions of non-emergency outgoing calls and permits all transmissions of emergency outgoing calls.

14.   (New) The mobile radiotelephony device of claim 11, further comprising:
locking means for facilitating an activation of the block means by the timing means.

15.   (New) The mobile radiotelephony device of claim 11, further comprising:
connecting means for establishing a link between the mobile radiotelephony device and the linked user identification module.

16.   (New) The mobile radiotelephony device of claim 15, further comprising:
locking means for facilitating an establishment of the link between the mobile radiotelephony device and the linked user identification module by the connection means.

17.   (New) The mobile radiotelephony device of claim 11, wherein an international identification number stored on the linked user identification module is stored on the mobile radiotelephony device as data corresponding to a link between the mobile radiotelephony device and the linked user identification module.

18.   (New) The mobile radiotelephony device of claim 11, wherein a personal identification number stored on the linked user identification module is stored as the debugging code on the mobile radiotelephony device.

19.   (New) The mobile radiotelephony device of claim 11, further comprising:
test means for activating the blocking means when any unlinked user identification module is mounted inside the mobile radiotelephony device.

20.   (New) A method of protecting a mobile radiotelephony device, the method comprising:
verifying a user identification module mounted inside the mobile radiotelephony device is linked to the mobile radiotelephony device;

detecting a period of inactivity of the mobile radiotelephony device during a normal operation of the mobile radiotelephony device, wherein the normal operation includes a processing of all outgoing calls;

preventing the normal operation of the mobile radiotelephony device in response to the verification of the linked user identification module and in response to the detection of the period of inactivity of the mobile radiotelephony device.

21.   (New) The method of claim 20, further comprising:

permitting the normal operation of the mobile radiotelephony device in response to the verification of the linked user identification module and in response to a supply of a debugging code to the mobile radiotelephony device subsequent to the detection of the period of inactivity of the mobile radiotelephony device.

22.   (New) The method of claim 20, wherein the prevention of the normal operation of the mobile radiotelephony device prevents all transmissions of outgoing calls.

23.   (New) The method of claim 20, wherein the prevention of the normal operation of the mobile radiotelephony device prevents all transmissions of non-emergency outgoing calls and permits all transmissions of emergency outgoing calls.

24.   (New) The method claim 20, further comprising:

storing an international identification number stored on the linked user identification module onto the mobile radiotelephony device as data corresponding to a link between the mobile radiotelephony device and the linked user identification module.

25.   (New) The method claim 21, further comprising:

storing a personal identification number stored on the linked user identification module onto the mobile radiotelephony device as the debugging code.

26.   (New) The method of claim 20, further comprising:

preventing the normal operation of the mobile radiotelephony device in response to any unlinked user identification module being mounted inside the mobile radiotelephony device.

27.   (New) In a mobile radiotelephony device, a computer readable medium comprising:

computer readable code for verifying a user identification module mounted inside the mobile radiotelephony device is linked to the mobile radiotelephony device;

computer readable code for detecting a period of inactivity of the mobile radiotelephony device during a normal operation of the mobile radiotelephony device, wherein the normal operation includes a processing of all outgoing calls;

computer readable code for preventing the normal operation of the mobile radiotelephony device in response to the verification of the linked user identification module and in response to the detection of the period of inactivity of the mobile radiotelephony device.

28.   (New) The computer readable medium of claim 27, further comprising:

computer readable code for permitting the normal operation of the mobile radiotelephony device in response to the verification of the linked user identification module and in response to a supply of a debugging code to the mobile radiotelephony device subsequent to the detection of the period of inactivity of the mobile radiotelephony device.

29.   (New) The computer readable medium of claim 28, further comprising:

storing a personal identification number stored on the linked user identification module onto the mobile radiotelephony device as the debugging code.

30.   (New) The computer readable medium of claim 27, further comprising:

preventing the normal operation of the mobile radiotelephony device in response to any unlinked user identification module being mounted inside the mobile radiotelephony device.

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Filed: December 18, 2000
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REMARKS/DISCUSSION OF ISSUES

Priority Claim. The Applicant thanks Examiner Zewdu for acknowledging the claim for priority and receipt of certified copies of all the priority documents.

Specification. In the Non-Final Office Action, Examiner Zewdu objected to the specification. The Applicant has amended the specification herein to obviate Examiner Zewdu's objections to the specification, except for the objection to page 3, line 6. The Applicant respectfully asserts that the proper heading "Brief Description of the Drawings" is recited on page 3, line 1. No new matter was introduced by the amendment of the specification herein. Withdrawal of the objections to the specification is therefore respectfully requested.

Drawings. In the Non-Final Office Action, Examiner Zewdu objected to the drawings. The attached replacement informal drawing sheet 1/2 includes proposed changes to FIGS. 1 and 2 to obviate Examiner Zewdu's objections to the drawings. The Applicant respectfully asserts that FIGS. 1 and 2 are properly labeled by the drawing amendments herein, and no new matter was introduced into the drawing amendments herein. Examiner Zewdu is therefore respectfully requested to approve the proposed replacement informal drawing sheet 1/2.

Claims. In the Non-Final Office Action, Examiner Zewdu rejected objected to and rejected pending claims 1-10 on various grounds. The Applicant responds to each objection and rejection as subsequently recited herein, and respectfully requests reconsideration and further examination of the present application under 37 CFR § 1.112:

A.   Examiner Zewdu objected to pending claim 8.

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The Applicant has cancelled pending claim 8 without prejudice or disclaimer to the subject matter of claim 8. Withdrawal of the objection of claim 3 is therefore respectfully requested.

B.   Examiner Zewdu rejected pending claim 10 under 35 U.S.C. §112, ¶2.

The Applicant has cancelled pending claim 10 without prejudice or disclaimer to the subject matter of claim 10. Withdrawal of the rejection of claim 10 under 35 U.S.C. §112, ¶2 is therefore respectfully requested.

C.   Examiner Zewdu rejected pending claims 1 and 3-10 under 35 U.S.C. §103(a) as being unpatentable over U.S. Patent No. 5,913,175 to *Pinault* in view of U.S. Patent No. 6,095,416 to *Grant* et al.

The Applicant has thoroughly considered Examiner Zewdu' remarks concerning the patentability of claims 1 and 3-10 over *Pinault* in view of *Grant*. The Applicant has also thoroughly read *Pinault* and *Grant*. To warrant this 35 U.S.C. §103(a) rejection of claims 1 and 3-10, all the claim limitations recited in independent claims 1 and 7 must be taught or suggested by the combination of *Pinault* and *Grant*. See, MPEP §2143. The Applicant respectfully traverses this §103(a) rejection of claims 1 and 3-10, because *Pinault* and *Grant* in combination fails to disclose, teach or suggest the following limitations of independent claims 1 and 7:

1.   "timing means for activating the block means after the device has been inactive fro a defined period of time" as recited in independent claim 1; and

2.   "detection of a period of inactivity of the device", and "blocking of the normal operation of the device when said period of inactivity has been detected" as recited in independent claim 7.

As to the traversal, Examiner Zewdu has correctly recognized *Pinault's* failure to disclose, teach or suggest the aforementioned limitations of independent claims 1 and 7. A proper reading of *Grant* reveals that *Grant* also fails to teach or suggest the aforementioned limitations of independent claims 1 and 7.

Specifically, Grant discloses authorization cards having a default disabled state and an enabled state, where the cards revert from the enabled state to a default disabled state after a predetermined period of time. See, *Grant* at column 3, lines 54-66. In a first embodiment as illustrated in FIGS. 4(a) and 4(b) of *Grant*, a removal of pressure from a polymer 36 allows polymer 36 to return to its original shape that corresponds to the default disabled state. See, *Grant* at column 6, lines 11-19. *Grant* clearly fails to teach or suggest a returning of polymer 36 to its original shape as being a function of an inactivity of a device.

In a second embodiment as illustrated in FIG. 7(c) of *Grant*, a sufficient charge bleed off a capacitor 106 reverts the card to the default disabled state. See, *Grant* at column 10, lines 43-48. *Grant* clearly fails to teach or suggest bleeding of capacitor 106 as being a function of an inactivity of a device.

In a third embodiment as illustrated in FIG. 9(c) of *Grant*, a removal of pressure from a membrane 214 allows membrane 214 to return to its original shape that corresponds to the default disabled state. See, *Grant* at column 11, lines 28-40. *Grant* clearly fails to teach or suggest a returning of membrane 214 to its original shape as being a function of an inactivity of a device.

While the Applicant respectfully traverses this 35 U.S.C. §103(a) rejection of claims 1 and 3-10 as shown above, the Applicant has cancelled claims 1 and 3-10 herein without prejudice and disclaimer to the subject matter of claims 1 and 3-10 herein, and added new claims 11-30. The Applicant respectfully asserts that *Pinault*, *Grant* and the remaining art of record, alone or in combination, fails to disclose, teach or suggest the following limitation combinations of new independent claims 11, 20 and 27:

    1.   "timing means for activating the blocking means in response to the mobile radiotelephony device being inactive during the normal operation

A

of the mobile radiotelephony device for a defined period of time
subsequent to a mounting of a linked user identification module inside the
mobile radiotelephony device" as recited in independent claim 11;

2.   "preventing the normal operation of the mobile radiotelephony device
in response to the verification of the linked user identification module and in
response to the detection of the period of inactivity of the mobile
radiotelephony device" as recited in independent claim 20; and

3.   "computer code for preventing the normal operation of the mobile
radiotelephony device in response to the verification of the linked user
identification module and in response to the detection of the period of
inactivity of the mobile radiotelephony device" as recited in independent claim
27.

Withdrawal of the rejection of claims 1 and 3-10 under §103(a) as being
unpatentable over *Pinault* in view of *Grant* and an allowance of claims 11-30 are
therefore respectfully requested.

       D.   Examiner Zewdu rejected pending claim 2 under 35 U.S.C. §103(a)
as being unpatentable over U.S. Patent No. 5,913,175 to *Pinault* in
view of U.S. Patent No. 6,095,416 to *Grant* et al. and in further view
of U.S. Patent No. 6,141,563 to *Miller* et al.

The Applicant has cancelled pending claim 2 without prejudice or disclaimer
to the subject matter of claim 2. Withdrawal of the rejection of dependent 2 under
35 U.S.C. §103(a) being unpatentable over *Pinault* in view of *Grant* and in further
view of *Miller* is therefore respectfully requested.

December 2, 2003
Case No. PHF 99,624 (7790/310)
Serial No.: 09/739,507
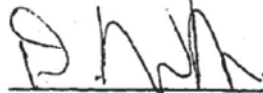Filed: December 18, 2000
Page 14 of 15

SUMMARY

Examiner Zewdu's objections and rejections of pending claims 1-10 have been obviated by the cancellation herein of claims 1-10. The Applicant has supported an allowance of new claims 11-30 over the art of record. The Applicant respectfully submits that claims 11-30 as added herein fully satisfy the requirements of 35 U.S.C. §§ 102, 103 and 112. In view of the foregoing, favorable consideration and early passage to issue of the present application is respectfully requested. If any points remain in issue that may best be resolved through a personal or telephonic interview, Examiner Zewdu is respectfully requested to contact the undersigned at the telephone number listed below.

Dated: December 2, 2003

Respectfully submitted,
Philippe Decotignie

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ABSTRACT

~~The invention proposes a method of protecting a~~ <u>A</u> mobile radiotelephony device intended for accommodating a <u>linked</u> user identification module ~~to be able to operate.~~ ~~The invention has for its object to protect such a device against theft~~ <u>offers protection against theft</u>. <u>The device prevents a normal operation of the device with an unlinked identification module, and permits the normal operation of the device with the linked identification module until such time the device has been inactive for a defined period of time. A debugging code can be supplied to the device subsequent to a detection of the defined period of time to again permit the normal operation of the device with linked identification module.</u>

~~For this purpose, a device in accordance with the invention comprises means for:~~

~~preventing the use of the device with an identification module other than the user's,~~

~~asking the user for a deblocking code after a short time that the device has been inactive and preventing the use of the device if this code has not been supplied.~~

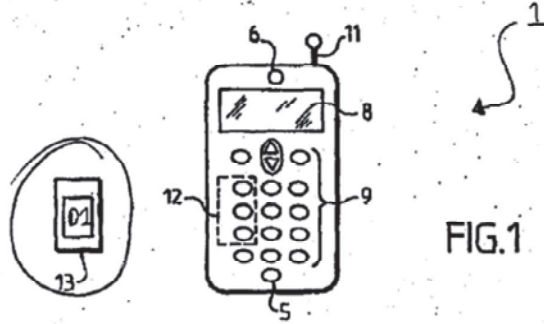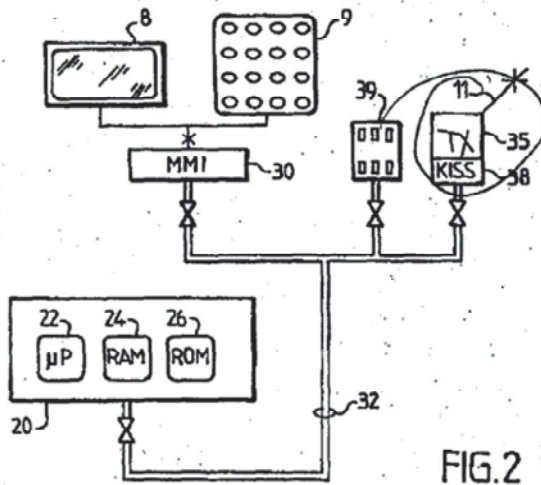~~Reference: Fig. 2~~

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REPLACEMENT SHEET

1/2

FIG.1

FIG.2

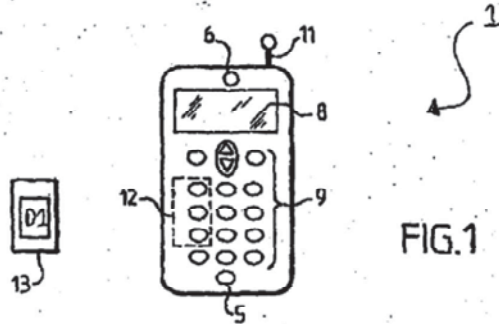Approved By Examiner
M.E. 8-16-04

REPLACEMENT SHEET

1/2

FIG.1

FIG.2

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 10/03)

	Application No.	Applicant(s)
Office Action Summary	09/739,507	DECOTIGNIE, PHILIPPE
	Examiner	Art Unit	
	Meless N Zewdu	2683	

-- *The MAILING DATE of this communication appears on the cover sheet with the correspondence address* --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on <u>02 December 2003</u>.

2a)☒ This action is FINAL.   2b)☐ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) <u>11-30</u> is/are pending in the application.

     4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) <u>11-30</u> is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

     Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

     Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

     a)☐ All   b)☐ Some * c)☐ None of:

       1.☐ Certified copies of the priority documents have been received.

       2.☐ Certified copies of the priority documents have been received in Application No. _____.

       3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

     * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☐ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____.

4)☐ Interview Summary (PTO-413) Paper No(s)/Mail Date _____.

5)☐ Notice of Informal Patent Application (PTO-152)

6)☐ Other: _____.

U.S. Patent and Trademark Office
PTOL-326 (Rev. 1-04)   Office Action Summary   Part of Paper No./Mail Date 10

DETAILED ACTION

Response to Amendment (A)

1. This action is in response to the communication filed on 12/2/03.

2. The original claims 1-10 have been canceled in the current amendment.

3. New Claims 11-30 are pending in this action.

4. This action is final and finality was necessitated by the current amendment.

5. ***Objections to the drawings, the specification, the claim and the Claim Rejections under - 35 USC § 112***, provided in the previous Office Action, have been withdrawn consequent to applicant's amendment of the claims, the drawings and the specification.

Claim Rejections - 35 USC § 112

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

Claims 11, 18, 21, 28 and 29 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. The claims include a "debugging means" feature which has no support in the specification. What is discloses in the spec. is **deblocking.** The two features have two different meanings. Debugging,

for instance, is directed to a process of finding and correcting errors while deblocking is

just an act of allowing something which has been prevented to pass through.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 11 and 13-30 are rejected under 35 U.S.C. 103(a) as being unpatentable

over Pinault (US 5,913,175) in view of Grant et al. (Grant) (US 6,095,416).

As per claim 11: a mobile radiotelephone device, comprising:

blocking means for preventing a normal operation of the mobile radiotelephony device,

wherein the normal operation includes a processing of outgoing calls reads on '175

(see col. 9, lines 52-63). The prior art discloses that a terminal can be switched off and

on between locked mode and unlocked mode, even if the user card with which it is

cooperating is the linked user card, using code. But Pinault does not explicitly teach, the

difference feature, which is directed to timing means for activating the blocking means in

response to the mobile radiotelephony device being inactive during the normal

operation of the mobile radiotelephony device for a defined period of time subsequent to

a mounting of a linked user identification module inside the radiotelephony device, as

claimed by applicant. However, in a related field of endeavor, Grant teaches about a

"method and device for preventing unauthorized use of credit card" wherein a card, such as a credit card with personal information, is provided with a timing means that disables the card after a predetermined period of activation (see col.3, lines 59-65). Furthermore, the card, among others can be a smart electronic card (see col. 4, lines 1-3) which can be associated to a portable auxiliary device (see col. 3, lines (see 65-67). Once, deactivated after a predetermined period of inactivity, the card can be reactivated by using a personal identification number (PIN) provided by the user (see col. 10, lines 43-48). The subscriber identification module (SIM) in Pinault's reference and the credit card (the smart card version) in Grant's reference are both smart cards and both for use in providing protection/security for personal information, and hence, combinable. Therefore, it would have been obvious for one of ordinary skill in the art at the time the invention was made to modify Pinault's SIM with the teaching of Grant for the advantage of preventing the SIM card from fraudulent use by unauthorized person. As fper claim 12: the mobile radiotelephony device wherein an activation of the blocking means prevents all transmission of outgoing calls reads on '175 (see col. 9, lines 63-65).

As per claim 14: the mobile radiotelephony device further comprising:

locking means for facilitating an activation of the block means by the ltiming means reads '416 (see col. 3, lines 59-67). When the references are combined as shown above, the Pinault's block/unblock means would be able to operate as a function of Grant's predetermined time.

As per claim 15: the radiotelephony device further comprising:

connecting means for establishing a link between the mobile radiotelephony

device and the linked user identification module reads on '175 (see col. 5, lines 1-40).

As per claim 16: the mobile radiotelephony device further comprising:

locking means for facilitating an establishment of the link between the mobile

radiotelephony device and the linked user identification module by the connection

means reads on '175 (see col. 5, lines 1-40).

As per claim 17: the mobile radiotelephony device wherein:

an international identification number stored on the linked user identification

module is stored on the mobile radiotelephony device as data corresponding to a link

between the mobile radiotelephony device and the linked user identification module

reads on '175 (see 1, lines 32-53).

As per claim 18: the mobile radiotelephony device wherein:

a personal identification number stored on the linked user identification module is

stored as the debugging code on the mobile radiotelephony device reads on '416 (see

col. 59-67).

As per claim 19: the mobile radiotelephony device further comprising:

test means for activating the blocking means when any unlinked user

identification module is mounted on the mobile radiotelephony device reads on '175

(see col. 6, lines 52-67; col. 11, lines 42-57).

As per claim 20: a method of protecting a mobile radiotelephony device, the method

comprising:

verifying a user identification module mounted inside the mobile radiotelephony device is linked to the mobile radiotelephony device reads on '175 (see col. 6, lines 48-67; col. 7, line 39-col. 8, line 16; col. 9, lines 7-16). Authentication is same as verification.

wherein the normal operation includes a processing of all outgoing calls reads on '175 (see abstract).

preventing the normal operation of the mobile radiotelephony device in response to the verification of the linked user identification module reads on '175 (see col. 9, lines 63-65). It is inherent to Pinault's The difference feature directed to detecting a period of inactivity of the mobile radiotelephony device during a normal operation of the mobile radiotelephony device and in response to the detection of the period of inactivity preventing the operation of the mobile radiotelephony device is same as the difference feature addressed in claim 1 above. Hence, the difference feature in claim 20 is rejected on the same ground and motivation as claim 1.

As per claim 21: the method further comprising:

permitting the normal operation of the radiotelephony device in response to the verification of the linked user identification module and in response to a supply of a debugging code to the mobile radiotelephony device reads on '175 (see Abstract; col. 1, line 32-col. 2, line 20; col. 9, line 57-col. 10, line 7).

the detection of the period of inactivity of the mobile radiotelephony device reads on '416 (see col. 3, lines 59-67). The combination of the two references and the subsequent motivation is as provided in claim 1.

As per claim 22: the method wherein:

the prevention of the normal operation of the radiotelephony device

prevents all transmission of outgoing calls reads on '175 (see abstract). It is so

obvious that a mobile radiotelephone device in a normal operation mode

transmits all outgoing calls.

As per claim 24: the method further comprising:

storing an international identification number on the linked user identification

module onto the mobile radiotelephony device as data corresponding to a link between

the mobile radiotelephony device and the linked identification module reads on '175

(see col.1, lines 32-53).

As per claim 25: the method further comprising:

storing a personal identification number stored on the linked user identification

module onto the mobile radiotelephony device as a debugging code reads on '416 (see

col. 3, lines 59-67).

As per claim 26: the method further comprising:

preventing the normal operation of the mobile radiotelephony device in response

to any unlinked user identification module being mounted inside the mobile

radiotelephony device reads on '175 (see col. 6, lines 52-67; col. 11, lines 42-57).

As per claim 27: in a mobile radiotelephony device, a computer readable medium

comprising:

computer readable code for verifying a user identification module mounted inside

the mobile radiotelephony device is linked to the mobile radiotelephony device reads on

'175 (see col. 1, lines 45-65; col. 6, lines 48-67; col. 7, line 39-col. 8, line 16; col. 9, lines 7-16). Algorithm indicates a computer readable medium in the context of the prior art.

wherein the normal operation includes a processing of all outgoing calls reads on '175 (see abstract).

computer readable code for preventing the normal operation of the mobile radiotelephony device in response to the verification of the linked user identification module reads on '175 (see col. 9, lines 63-65). The difference feature directed to detecting a period of inactivity of the mobile radiotelephony device during a normal operation of the mobile radiotelephony device and in response to the detection of the period of inactivity preventing the operation of the mobile radiotelephony device is same as the difference feature addressed in claim 1 above. Hence, the difference feature in claim 20 is rejected on the same ground and motivation as claim 1 since computer readable code is obvious in the prior art usage of algorithmic functions.

As per claim 28: the computer readable medium further comprising:

computer readable code for permitting the normal operation of the mobile radiotelephony device in response to the verification of the linked user identification module and in response to a supply of a debugging code to the mobile radiotelephony device reads on '175 (see Abstract; col. 1, line 32-col. 2, line 20; col. 9, line 57-col. 10, line 7).

the detection of the period of inactivity of the mobile radiotelephony device reads on '416 (see col. 3, lines 59-67). The combination of the two references and the subsequent motivation is as provided in claim 1.

As per claim 29: the computer readable medium further comprising:

storing a personal identification number stored on the liked user identification module onto the mobile radiotelephony device as the debugging code reads on '175 (see col. 3, lines 59-67).

As per claim 30: the computer readable medium further comprising:

preventing the normal operation of the mobile radiotelephony device in response to any unlinked user identification module being mounted inside the mobile radiotelephony device reads on '175 (see col. 6, lines 52-67; col. 11, lines 42-57).

Claims 13 and 23 are rejected under 35 U.S.C. 103(a) as being unpatentable over Pinault in view of Grant as applied to claim 1 above, and further in view of Kolev et al. (Kolev) (US 6,125,283).

As per claim 13: but, Pinault in view of Grant do not explicitly teach about a mobile radiotelephony device wherein an activation of the blocking means prevents all transmission on non-emergency outgoing calls and permits all transmission of emergency outgoing calls, as claimed by applicant. However, in a related field of endeavor, Kolev teaches that a mobile terminal can be provided with the ability to switch from a current mode an alternative mode to process emergency calls and to acquire services that do not require valid subscriber identity (see abstract; fig. 6A; col. 3, line 16-col. 4, line 60; col. 9, lines 62-67; col. 12, lines 16-18). Therefore, it would have been obvious for one of ordinary skill in the art at the time the invention was made to modify the above references with the teaching of Kolev for the advantage of providing mobile subscribers with the emergency 911 service (see col. 3, lines 16-38).

As per claim 23: the method wherein:

the prevention of the normal operation of the mobile radiotelephony device prevents all transmission of outgoing calls '283 (see abstract; col. 3, line 16-col. 4, line 35).

Double Patenting

Claims 11-30 are rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1-7 of U.S. Patent No. US 6,370,400 B1, in view of Gran et al., (US 6,095,416). The difference between the claims and the cited US patent is that the feature directed to the "deblocking means for permitting the normal operation of the mobile radiotelephony device in response to supplying of a deblocking/debugging code to the mobile radiotelephony device subsequent to the mounting of the linked user identification module inside the mobile radiotelephony device and subsequent to the defined period of time", recited in the claims. This feature is addressed by Grant's reference the subject matter of which is "method and device for preventing unauthorized use of credit cards". The subject matter of Grant's reference is in the same field of endeavor as the claims which is "anti-theft protection a radiotelephony device". Grant teaches that "once the correct PIN code is entered, the card is activated for a predetermined limited time. After the predetermined time, the card returns to the disable state so that it cannot be used for a fraudulent transaction." (see col. 3, lines 59-67). In the end, the difference feature in the

current claims, which can be summarized as enabling a disabled device using a code,

has sufficiently been taught by Grant et al.

Conclusion

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Applicant's amendment necessitated the new ground(s) of rejection presented in

this Office action. Accordingly, **THIS ACTION IS MADE FINAL.** See MPEP

§ 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37

CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE

MONTHS from the mailing date of this action. In the event a first reply is filed within

TWO MONTHS of the mailing date of this final action and the advisory action is not

mailed until after the end of the THREE-MONTH shortened statutory period, then the

shortened statutory period will expire on the date the advisory action is mailed, and any

extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

the advisory action. In no event, however, will the statutory period for reply expire later

than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Meless N Zewdu whose telephone number is (703) 306-

5418. The examiner can normally be reached on 8:30 am to 5:00 pm..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, William Trost can be reached on (703) 308-5318. The fax phone number for

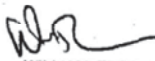the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or

proceeding should be directed to the receptionist whose telephone number is (703) 306-

0377.

Meless Zewdu   Π ι Ƶ

   Examiner

16 February 2004.

WILLIAM TROST
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600

Notice of References Cited

	Application/Control No.	Applicant(s)/Patent Under Reexamination		
Notice of References Cited	09/739,507	DECOTIGNIE, PHILIPPE		
	Examiner	Art Unit		
	Meless N Zewdu	2683	Page 1 of 1	

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
	A	US-6,125,283	09-2000	Kolev et al.	455/552
	B	US-			
	C	US-			
	D	US-			
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action (See MPEP § 707 05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

U.S Patent and Trademark Office
PTO-892 (Rev. 01-2001)   **Notice of References Cited**   Part of Paper No. 10