

FILE HISTORY  
US 6,836,654

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

10914-01-9 PTO  
09/739507



455  
410  
Subclass  
CLASS  
ISSUE CLASSIFICATION

**BEST COPY**

PATENT NUMBER

6836654



6836654

**U.S. UTILITY Patent Application**

SV

O.I.P.E. TO SCANNED ASS4 O.A. CAT	PATENT DATE JUL 26 2004
---	----------------------------

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

APPLICANTS  
TITLE

Philippe Desautels

Anti theft protection for a radiolabelled device

PTO-2040  
12/99

ISSUING CLASSIFICATION								
ORIGINAL		CROSS REFERENCE(S)						
CLASS	SUBCLASS	CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)					
455	410	455	411	412	425	550.1	552	585
INTERNATIONAL CLASSIFICATION		455	410					
H01G 1/00, 3/00, Y66								
H01G 1/06, Y32								
H01G 1/20								

Continued on Issue Slip (inside File Jacket)

<input type="checkbox"/> <b>TERMINAL DISCLAIMER</b>  <input type="checkbox"/> The term of this patent subsequent to _____ (date) has been disclaimed.  <input type="checkbox"/> The term of this patent shall not extend beyond the expiration date of U.S. Patent No. _____  <input type="checkbox"/> The terminal _____ months of this patent have been disclaimed.	<b>DRAWINGS</b> Sheets Drwg.    Figs. Drwg.    Print Fig. 2                    3                    1			<b>CLAIMS ALLOWED</b> Total Claims    Print Claim for O.G. 20                    1	
	Melisse Zewdv    2/16/04 <small>(Assistant Examiner)                    (Date)</small>  W. R. WILLIAM TROST SUPERVISORY PATENT EXAMINER TECHNOLOGY CENTER 2800 <small>(Primary Examiner)                    (Date)</small>			<b>NOTICE OF ALLOWANCE MAILED</b> 08/24/04  <b>ISSUE FEE</b> Amount Due    Date Paid \$ 1330                    11/8 of JM	
<b>WARNING:</b> The information disclosed herein may be restricted. Unauthorized disclosure may be prohibited by the United States Code Title 35, Sections 122, 181 and 368. Possession outside the U.S. Patent & Trademark Office is restricted to authorized employees and contractors only.			<b>ISSUE BATCH NUMBER</b>		

Form PTO-458A  
(Rev. 6/99)

FILED WITH:  DISK (CRF)  FICHE  CD-ROM  
(Attached in pocket on right inside flap)

**ISSUE FEE IN FILE**

(FACE)

## ANTI-THEFT PROTECTION FOR A RADIOTELEPHONY DEVICE

## Transaction History

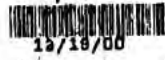
Date	Transaction Description
12 18 2000	Information Disclosure Statement (IDS) Filed
12 18 2000	Information Disclosure Statement (IDS) Filed
12 18 2000	Initial Exam Team nn
02 13 2001	IFW Scan & PACR Auto Security Review
03 05 2001	Correspondence Address Change
03 05 2001	Correspondence Address Change
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

PATENT APPLICATION



09739507

JCS13 U.S. PTO  
09/739507



12/18/00

BEST COPY

FEB 26 01 12

INITIALS \_\_\_\_\_

76628

CONTENTS

	Date Received (Incl. C. of M.) or Date Mailed	Date Received (Incl. C. of M.) or Date Mailed
1. Application <u>200</u> papers.		
2. <u>HR Ref: Rec. / un. signed</u>	<u>03/06/01</u>	
3. <u>Dec</u>	<u>04/05/01</u>	
4. <u>FDS w/Refers</u>	<u>12-18-00</u>	
5. <u>FDS</u>	<u>8/13/01</u>	
6. <u>CRISA</u>	<u>5/12/03</u>	
7. <u>Non-Final lg</u>	<u>8-27-02</u>	
8. <u>Ext of time 1mo</u>	<u>12/2/02</u>	
9. <u>Amndt A</u>	<u>12/2/03</u>	
10. <u>Final lg</u>	<u>2/19/04</u>	
11. <u>Ext of time 1mo</u>	<u>5/21/04</u>	
12. <u>RCE</u>	<u>5/20/04</u>	
13. <u>Pre Amndt B</u>	<u>5/20/04</u>	
14. <u>Notice Allowance</u>	<u>8/24/04</u>	
15. <u>Formal Drawing (2 sheets) set</u>	<u>11/18/04</u>	
16. <u>Petition 1-378C</u>	<u>06/08/09</u>	
17. <u>petition Granted</u>	<u>09/21/09</u>	
18.		
19.		
20.		
21.		
22.		
23.		
24.		
25.		
26.		
27.		
28.		
29.		
30.		
31.		
32.		
33.		
34.		
35.		
36.		
37.		
38.		
39.		
40.		
41.		
42.		
43.		
44.		
45.		
46.		
47.		
48.		
49.		
50.		
51.		
52.		
53.		
54.		
55.		
56.		
57.		
58.		
59.		
60.		
61.		
62.		
63.		
64.		
65.		
66.		
67.		
68.		
69.		
70.		
71.		
72.		
73.		
74.		
75.		
76.		
77.		
78.		
79.		
80.		
81.		
82.		

(1 FT OUTSIDE)



ISSUE SLIP STAPLE AREA (for additional cross references)

601

POSITION	INITIALS	ID NO.	DATE
FEE DETERMINATION			
O.I.P.E. CLASSIFIER		43	2/26/01
FORMALITY REVIEW	Wot	0571	03/05/01
RESPONSE FORMALITY REVIEW	T2	3947	05/16/01

**INDEX OF CLAIMS**

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

Claim	Final	Original	Date
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
40			
41			
42			
43			
44			
45			
46			
47			
48			
49			
50			

Claim	Final	Original	Date
51			
52			
53			
54			
55			
56			
57			
58			
59			
60			
61			
62			
63			
64			
65			
66			
67			
68			
69			
70			
71			
72			
73			
74			
75			
76			
77			
78			
79			
80			
81			
82			
83			
84			
85			
86			
87			
88			
89			
90			
91			
92			
93			
94			
95			
96			
97			
98			
99			
100			

Claim	Final	Original	Date
101			
102			
103			
104			
105			
106			
107			
108			
109			
110			
111			
112			
113			
114			
115			
116			
117			
118			
119			
120			
121			
122			
123			
124			
125			
126			
127			
128			
129			
130			
131			
132			
133			
134			
135			
136			
137			
138			
139			
140			
141			
142			
143			
144			
145			
146			
147			
148			
149			
150			

If more than 150 claims or 10 actions  
staple additional sheet here

(LEFT INSIDE)

3/1



SEARCHED			
Class	Sub.	Date	Exmr.
455	410	8/20/03	11-21
	411		
	412.1		
	412.2		
	413-419		
	425		
	550.1		
	558		
	26.1	8-16-04	11-2
	404.1		
380	264	8-18-04	11-2
	268		
713	273		
	158		
	502		
	600		
705	601		
	65		
	66		
	67		

SEARCH NOTES (INCLUDING SEARCH STRATEGY)		
for text search	Date	Exmr.
PS. see inside book - 2004	8/21/03	11-21
Cancelled with (John Darrow (AU 2132))	8-18-04	11-21

INTERFERENCE SEARCHED			
Class	Sub.	Date	Exmr.
Search updated		8-16-04	11-21
11	11	8-18-04	11-21

(RIGHT OUTSIDE)

# WEST

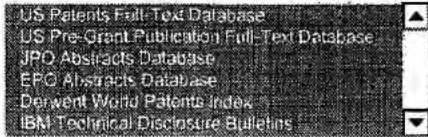
Help Logout Interrupt

Main Menu Search Form Posting Counts Show Numbers Edit Numbers Preferences Cases

### Search Results -

Term	Documents
LOAD	1303783
LOADS	293188
CONGGESTION	0
CONGGESTIONS	0
MEASURS	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

There are more results than shown above. [Click here to view the entire set.](#)

Database: 

- US Patents Full-Text Database
- US Pre-Grant Publication Full-Text Database
- JPO Abstracts Database
- EPO Abstracts Database
- Derwent World Patents Index
- IBM Technical Disclosure Bulletins

Search: 17

 Refine Search

 Recall Text

 Clear

### Search History

DATE: Wednesday, August 20, 2003 [Printable Copy](#) [Create Case](#)

<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
side by side			result set
	<i>DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>		
<u>L7</u>	L1 and (measur\$ near7 (load or congestion))	14	<u>L7</u>
<u>L6</u>	L5 and (transmission near7 (power near3 control\$))	18	<u>L6</u>
<u>L5</u>	((ratio or relative) same ((power adj up) near10 (power adj down)))	77	<u>L5</u>
<u>L4</u>	(transmi\$ near5 (power near4 (control\$ adj command))) same ((control\$ or regulat\$) same (overload or congestion or collision))	11	<u>L4</u>
<u>L3</u>	L2 and (load same cell)	34	<u>L3</u>
<u>L2</u>	L1 and ((relative or ratio or difference or percent\$) same (downlink or uplink or increase or decrease or total))	441	<u>L2</u>
<u>L1</u>	transmi\$ near7 (commands near5 (power adj control\$))	874	<u>L1</u>

END OF SEARCH HISTORY

<u>Set Name</u> side by side	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
	<i>DB=USPT,PGPB,JPAB,EPAR,DWI,TDBD; PLUR=YES; OP=ADJ</i>		
<u>L7</u>	L6 and ((deactivat\$ or disabl\$) same (predetermined adj time))	52	<u>L7</u>
<u>L6</u>	((sim adj card) or (memory adj card) or smart adj card) and (code near7 (block\$ or lock\$ or disabl\$ or unuseable))	1936	<u>L6</u>
<u>L5</u>	L4 and (code near7 (block\$ or lock\$ or disabl\$ or unuseable))	22	<u>L5</u>
<u>L4</u>	L3 and (card near3 (smart or memory))	82	<u>L4</u>
<u>L3</u>	II and (((unlwaful adj use) or (illgal adj use) or lost) same (prevent\$ or protect\$))	843	<u>L3</u>
<u>L2</u>	L1 and ((sim or memory adj card) same ((anti adj theft) or (theft near3 prevent\$) or (unautohriz\$ near3 use)))	1	<u>L2</u>
<u>L1</u>	455/\$	99307	<u>L1</u>

END OF SEARCH HISTORY

updated search  
8-18-04 N.E

### Refine Search

Your wildcard search against 10000 terms has yielded the results below.

*Your result set for the last L# is incomplete.*

The probable cause is use of unlimited truncation. Revise your search strategy to use limited truncation.

#### Search Results -

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

There are more results than shown above. [Click here to view the entire set.](#)

Database:

- US Pre-Grant Publication Full-Text Database
- US Patents Full-Text Database
- US OCR Full-Text Database
- EPO Abstracts Database
- JPO Abstracts Database
- Derwent World Patents Index
- IBM Technical Disclosure Bulletins

Search:

L24

#### Search History

DATE: Wednesday, August 18, 2004 [Printable Copy](#) [Create Case](#)

Set

h e b b c g b e e c h



<u>Name</u> side by side	<u>Query</u>	<u>Hit</u> <u>Count</u>	<u>Set</u> <u>Name</u> result set
	<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>		
<u>L24</u>	L23 and (user near3 id\$)	79	<u>L24</u>
<u>L23</u>	L22 and code	457	<u>L23</u>
<u>L22</u>	L20 and (timing or timer)	621	<u>L22</u>
<u>L21</u>	L20 and tim\$3	1404	<u>L21</u>
<u>L20</u>	l15 and (self near5 (deactivat\$ or block\$ or disabl\$ or activat\$ or enabl\$ or deblock\$ or unblock\$))	1530	<u>L20</u>
<u>L19</u>	L18 and code	61	<u>L19</u>
<u>L18</u>	L17 and (tim\$3 near9 (deactivat\$ or block\$ or disabl\$ or activat\$ or enabl\$ or deblock\$ or unblock\$))	96	<u>L18</u>
<u>L17</u>	(l15 or l16 or l10) and L15	282	<u>L17</u>
<u>L16</u>	(l15 or l16 or l10) same L15	0	<u>L16</u>
<u>L15</u>	l11 or l12 or l13 or L14	243011	<u>L15</u>
<u>L14</u>	wireless adj \$4phone	12157	<u>L14</u>
<u>L13</u>	laptop or radiotelephone or palmtop or pda	89618	<u>L13</u>
<u>L12</u>	cellular adj \$4phone	53638	<u>L12</u>
<u>L11</u>	mobile adj (unit or station or \$4phone or apparatus or device)	137103	<u>L11</u>
<u>L10</u>	l7 or l8 or l9	1627	<u>L10</u>
<u>L9</u>	713/600-601.ccls.	1012	<u>L9</u>
<u>L8</u>	713/502.ccls.	631	<u>L8</u>
<u>L7</u>	713/158.ccls.	76	<u>L7</u>
<u>L6</u>	705/65-67.ccls.	515	<u>L6</u>
<u>L5</u>	l2 nor l3 or l4	91	<u>L5</u>
<u>L4</u>	380/273.ccls.	91	<u>L4</u>
<u>L3</u>	380/268.ccls.	160	<u>L3</u>
<u>L2</u>	380/264.ccls.	62	<u>L2</u>
<u>L1</u>	380/(264,268,273).ccls.	0	<u>L1</u>

END OF SEARCH HISTORY

h e b b c g b e e c h



US006836654B2

(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.<sup>7</sup>** ..... 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

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

4,908,848 A \* 3/1990 Hanawa ..... 455/565  
4,945,556 A \* 7/1990 Namekawa ..... 455/565

5,204,663 A *	4/1993	Lee	340/825.34
5,864,765 A *	1/1999	Barvesten	455/565
5,907,804 A *	5/1999	Schroderus et al.	455/411
5,913,175 A *	6/1999	Pinault	455/558
5,978,670 A *	11/1999	Casoli et al.	455/411
6,095,416 A *	8/2000	Grant et al.	235/449
6,119,000 A *	9/2000	Stephenson et al.	455/432
6,125,283 A *	9/2000	Kolev et al.	455/552
6,141,563 A *	10/2000	Millet et al.	455/538
6,339,643 B1 *	1/2002	Mastrocola et al.	379/433.06
6,370,400 B1 *	4/2002	Decotignie et al.	455/505
6,398,115 B2 *	6/2002	Krause	235/492
6,490,463 B1 *	12/2002	Portelier et al.	455/557
6,542,731 B1 *	4/2003	Alos	455/411
6,583,714 B1 *	6/2003	Gabou et al.	340/5.54

**FOREIGN PATENT DOCUMENTS**

GB 2287855 A 9/1995

\* cited by examiner

*Primary Examiner*—William Trost

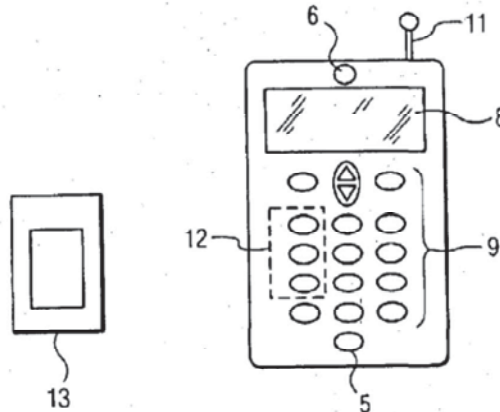
*Assistant Examiner*—Meless Zewdu

(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**



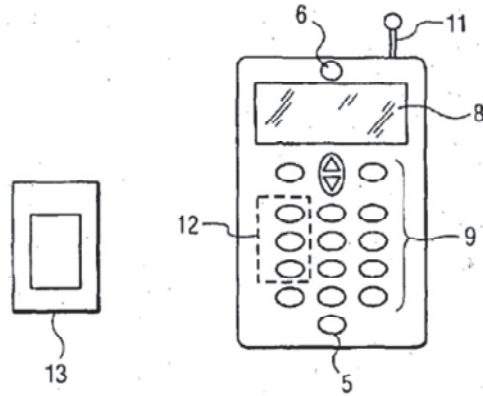


FIG. 1

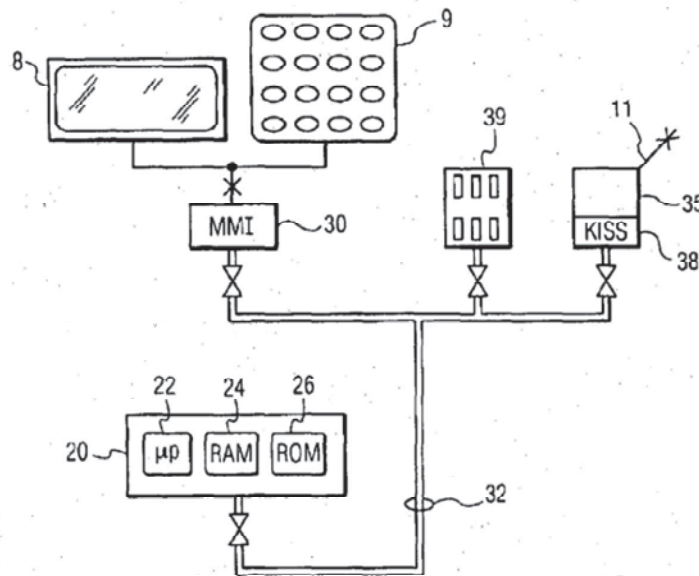


FIG. 2

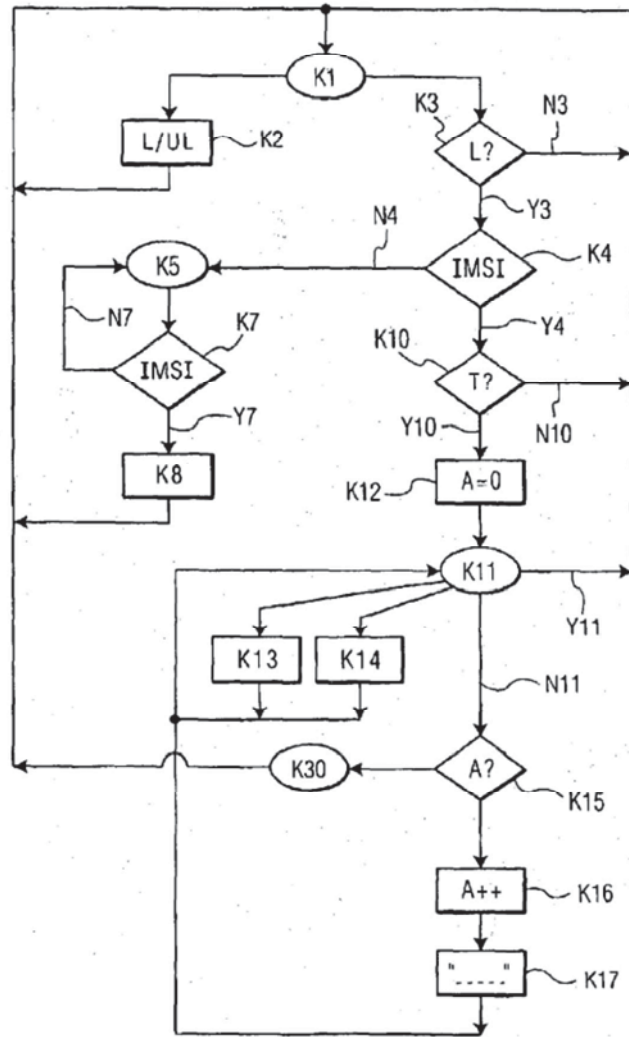


FIG. 3

1  
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 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.

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

2

stored in the identification module, and the test means compare the thus stored data with the data stored in the identification module which is placed 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



3

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 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 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

4

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

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:

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.

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.

6

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 stored 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.

\* \* \* \* \*



UNITED STATES PATENT AND TRADEMARK OFFICE

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



Bib Data Sheet

CONFIRMATION NO. 3125

<b>SERIAL NUMBER</b> 09/739,507	<b>FILING DATE</b> 12/18/2000 <b>RULE</b>	<b>CLASS</b> 455	<b>GROUP ART UNIT</b> 2681	<b>ATTORNEY DOCKET NO.</b> PHF 99,624	
<b>APPLICANTS</b> Philippe Decotignie, Le Mans, FRANCE;					
** CONTINUING DATA ..... <i>None</i> ..... <i>R-2</i>					
** FOREIGN APPLICATIONS ..... <i>None</i> ..... <i>R-6</i>					
FRANCE 9916136 12/21/1999					
<b>IF REQUIRED, FOREIGN FILING LICENSE GRANTED ** 03/05/2001</b>					
Foreign Priority claimed	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	<b>STATE OR COUNTRY</b> FRANCE	<b>SHEETS DRAWING</b> 2	<b>TOTAL CLAIMS</b> 10	<b>INDEPENDENT CLAIMS</b> 2
35 USC 119 (a-d) conditions met	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> Met after Allowance				
Verified and Acknowledged	<i>[Signature]</i> Examiner's Signature				
<b>ADDRESS</b> Corporate Patent Counsel; U.S. Philips Corporation; 580 White Plains Road; Tarrytown, NY 10591					
<b>TITLE</b> Anti-theft protection for a radiotelephony device					
<b>FILING FEE RECEIVED</b> 840	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:			<input type="checkbox"/> All Fees <input type="checkbox"/> 1.16 Fees ( Filing ) <input type="checkbox"/> 1.17 Fees ( Processing Ext. of time ) <input type="checkbox"/> 1.18 Fees ( Issue ) <input type="checkbox"/> Other _____ <input type="checkbox"/> Credit	

PATENT APPLICATION SERIAL NO. \_\_\_\_\_

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE  
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

1-c872 U.S. PTO  
12/18/00

1-c872 U.S. PTO  
09/739507  
12/18/00

**ENCLOSED ARE:**

- Appointment of Associates;
- Information Disclosure Statement, Form PTO-1449 and copies of documents listed therein;
- Preliminary Amendment;
- Specification (9 Pages of Specification, Claims, & Abstract);
- Declaration and Power of Attorney:  
(1 Page of a  fully executed  unsigned Declaration);
- Drawing (2 sheets of  informal  formal sheets);
- Certified copy of a **FRENCH** application Serial No. **9916136**;
- Authorization Pursuant to 37 CFR §1.136(a)(3)
- Other: ;
- Assignment to

**FEE COMPUTATION**

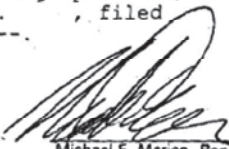
CLAIMS AS FILED				
FOR	NUMBER FILED	NUMBER EXTRA	RATE	BASIC FEE - \$710.00
Total Claims	10 - 20 =	0	X \$18 =	0.00
Independent Claims	2 - 3 =	0	X \$80 =	0.00
Multiple Dependent Claims, if any			\$270 =	0.00
TOTAL FILING FEE . . . . .				\$710.00

Please charge Deposit Account No. 14-1270 in the amount of the total filing fee indicated above, plus any deficiencies. The Commissioner is also hereby authorized to charge any other fees which may be required, except the issue fee, or credit any overpayment to Account No. 14-1270.

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--.

**CERTIFICATE OF EXPRESS MAILING**

Express Mail Mailing Label No. E1458219127US  
 Date of Deposit December 18, 2000  
 I hereby certify that this paper and/or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to the Commissioner for Patents, Washington, D.C. 20231.  
 Typed Name Natale A. Manzo Signature Natale A. Manzo

  
 Michael E. Marion, Reg. 32,266  
 Attorney  
 (914) 333-9641  
 U.S. Philips Corporation  
 580 White Plains Road  
 Tarrytown, New York 10591  
 S:\SLMB13SLDO.MA0.doc

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of PHILIPPE DECOTIGNIE  
Serial No. Filed: CONCURRENTLY  
Atty. Docket PHF 99,624  
Group Art Unit Ex.

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

APPOINTMENT OF ASSOCIATES

Sir:

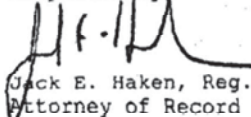
The undersigned Attorney of Record hereby revokes all prior appointments (if any) of Associate Attorney(s) or Agent(s) in the above-captioned case and appoints:

**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 13<sup>TH</sup> day of December, 2000.  
\\SERVER0\sys2\WFOCS\SL\MB13SLFO.MA0.doc



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of  
PHILIPPE DECOTIGNIE

Atty. Docket  
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



INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. 1.97

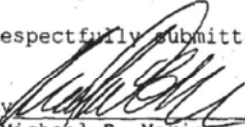
Sir:

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  
(914) 333-9641

PTO-1449  
REFERENCE: (1 )  
\\SERVER01\SYSTEMS\WPDOS\SL\MB13SLA0.MA0.doc



D.J.  
#4 52201  
D.S. W. Allen

Form PTO-1449 U.S. DEPARTMENT OF COMMERCE (REV. 7-80) PATENT AND TRADEMARK OFFICE		Atty. Docket No. PHF 99,624		Serial No.		
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)		Applicant PHILIPPE DECOTIGNIE				
		Filing Date CONCURRENTLY		Group		
U.S. PATENT DOCUMENTS						
Ex. Int.	Document Number	Date	Name	Class	Sub-class	Filing Date If Approp.
12	AA 5 9 1 3 1 7 5	6/15/99	PINAULT	455	559	
	AB					
	AC					
	AD					
	AE					
	AF					
FOREIGN PATENT DOCUMENTS						
	Document Number	Date	Country	Class	Sub-class	Trans. Yes No
	AG					
	AH					
	AI					
	AJ					
	AK					
OTHER (Including Author, Title, Date, Pertinent Pages, Etc.)						
	AL					
	AM					
	AN					
Examiner		Meless Zewdu		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.						

10394 U.S. PTO  
09/13/00

\\SERVER01\SYS2\WPDOCS\SL\MB13SLB0.MA0.doc

## Anti-theft protection for a radiotelephony device

## DESCRIPTION

## FIELD OF THE INVENTION

5 The invention relates to 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,
- 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.

15 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

20 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 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.

25 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 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.

20 In a particularly simple embodiment, the connecting means comprise reading 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 placed 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.

## 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.

5

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.

10

## 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.

20

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.

25

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

30

Sub  
a3



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 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 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 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.

L'ÉCRITURE EST EN FRANÇAIS

add  
a4



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.

114  
113  
112  
111  
110  
109  
108  
107  
106  
105  
104  
103  
102  
101  
100  
99  
98  
97  
96  
95  
94  
93  
92  
91  
90  
89  
88  
87  
86  
85  
84  
83  
82  
81  
80  
79  
78  
77  
76  
75  
74  
73  
72  
71  
70  
69  
68  
67  
66  
65  
64  
63  
62  
61  
60  
59  
58  
57  
56  
55  
54  
53  
52  
51  
50  
49  
48  
47  
46  
45  
44  
43  
42  
41  
40  
39  
38  
37  
36  
35  
34  
33  
32  
31  
30  
29  
28  
27  
26  
25  
24  
23  
22  
21  
20  
19  
18  
17  
16  
15  
14  
13  
12  
11  
10  
9  
8  
7  
6  
5  
4  
3  
2  
1

25  
25

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.

10 7. A method of protecting a mobile radiotelephony device intended for accommodating a user identification module, said method comprising the following steps:

sub 15

- 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.

25 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 30 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

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.

ad.  
AS

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

20001201 14:00:00

## 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

5 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.

10 Reference: Fig. 2



PHF 99.624

## DECLARATION and POWER OF ATTORNEY

ATTORNEY'S DOCKET NO.:  
PHF 99,624

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. Marlon, Reg. No. 34,286

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 Phillippe	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



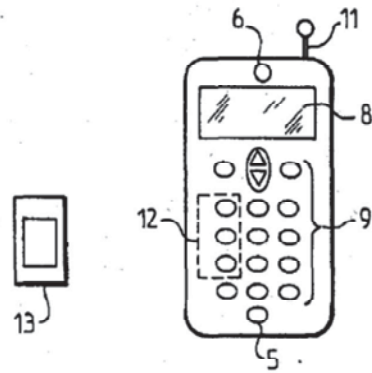


FIG. 1

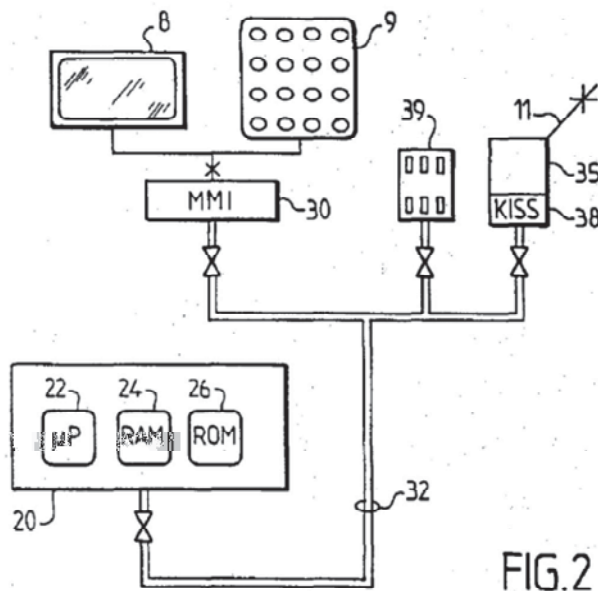


FIG. 2

2/2

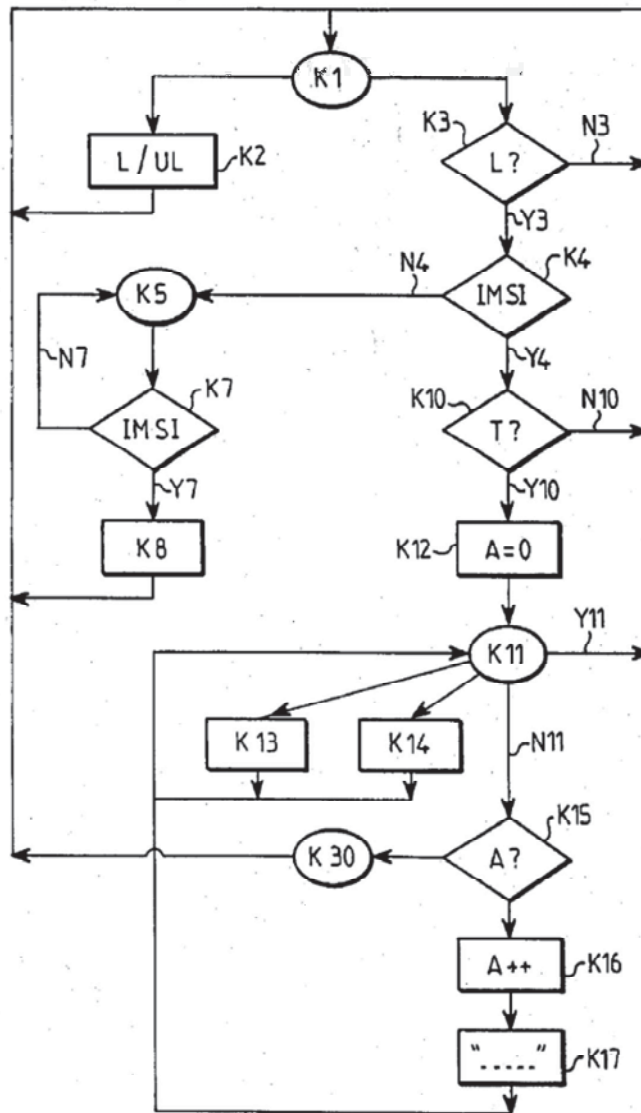


FIG. 3

## 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

This page is not part of the official USPTO record. It has been determined that content identified on this document is missing from the original file history record.

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

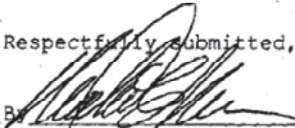
AUTHORIZATION PURSUANT TO 37 CFR §1.136(a)(3)  
AND TO CHARGE DEPOSIT ACCOUNT

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

\\SERVER0\SYSTEM2\WPDOCS\SL\MB13SLE0.MA0.doc

## 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

This page is not part of the official USPTO record. It has been determined that content identified on this document is missing from the original file history record.





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

FORMALITIES LETTER



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

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



Sector #  
N  
#3

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of  
PHILIPPE DECOTIGNIE

Atty. Docket  
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

RESPONSE TO NOTICE TO FILE MISSING  
PARTS OF APPLICATION

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

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited this date with the United States Postal Service as first-class mail in an envelope addressed to:  
COMMISSIONER OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

On April 2, 2001  
(Mailing Date)  
By Jack D. Slobod  
(Signature): \FORMS\DECLT.DOC



DECLARATION and POWER OF ATTORNEY

#3

ATTORNEY'S DOCKET NO.: PHF 99,624

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.
[X] 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)

Table with 4 columns: COUNTRY, APP. NUMBER, DATE OF FILING (DATE, MONTH, YEAR), PRIORITY CLAIMED UNDER 35 U.S.C. 119. Row 1: 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)

Table with 3 columns: APPLICATION SERIAL NUMBER, FILING DATE, STATUS (PATENTED, PENDING, ABANDONED). All cells are empty.

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. 3 2266
Edward M. Blocker, Reg. No. 30,245

Table with 2 columns: 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.

Form with fields for Dated: 25 February 2001, Inventor's Signature: [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.



#3

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

FORMALITIES LETTER



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

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 FD: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

This page is not part of the official USPTO record. It has been determined that content identified on this document is missing from the original file history record.





10/18 2681

<b>INFORMATION DISCLOSURE STATEMENT TRANSMITTAL</b> <small>To Commissioner For Patents          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 1.37.</small>	Application Number	09/739,507
	Filing Date	DECEMEBR 18, 2000
	First Named Inventor	PHILIPPE DECOTIGNIE
	Group Art Unit	2681
	Examiner Name	#5
	Attorney Docket Number	PHF 99,624 8/16/01

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 counterpart 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.

M3  
**RECEIVED**  
 AUG 15 2001  
 Technology Center 2600

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED**

Name (Print Type)	JACK D. SLOBOD	Registration No. (Attorney/Agent)	28,236
Signature	<i>Jack D. Slobod</i>	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 tel# \_\_\_\_\_ on the date below.

Name (Print Type)	NATALE A. MANZO
Signature	<i>Natale A. Manzo</i> Date 8/2/01



Form PTO-1449 COMMERCE (REV. 7-80)		U.S. DEPARTMENT OF PATENT AND TRADEMARK OFFICE		Atty. Docket No. PHF 99,624	Serial No. 09/739,507	
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						
AD						
AE						
AF						
RECEIVED AUG 15 2001 Technology Center 2600						
FOREIGN PATENT DOCUMENTS						
	Document Number	Date	Country	Class	Sub-class	Trans. Yes No
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	Zludw, Meless			Date Considered		8/20/03
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPER. Draw line through citation if not in conformance and not considered. Include a copy this form with next communication to applicant.						



UNITED STATES DEPARTMENT OF COMMERCE  
 Patent and Trademark Office  
 ASSISTANT SECRETARY AND COMMISSIONER  
 OF PATENTS AND TRADEMARKS  
 Washington, D.C. 20231

#6  
 5/29/03  
 24

**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

RECEIVED

MAY 1 2 2003

Technology Center 2600

PTO INSTRUCTIONS: PLEASE TAKE THE FOLLOWING ACTION WHEN THE 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

9



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1418  
Alexandria, Virginia 22313-1418  
www.uspto.gov

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

DATE MAILED: 08/27/2003

7

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

CM

<b>Office Action Summary</b>	<b>Application No.</b> 09/739,507	<b>Applicant(s)</b> DECOTIGNIE, PHILIPPE	
	<b>Examiner</b> Meless N Zawdu	<b>Art Unit</b> 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(e). 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*, 1835 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) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s) _____
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)
3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449) Paper No(s) <u>4 and 5</u>	6) <input type="checkbox"/> Other:



**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 negated 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 reads 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, reads 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



Art Unit: 2683

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.

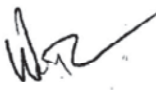
Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 306-0377.

Meless Zewdu

*M. Z.*

Examiner

21 August 2003.

  
WILLIAM TROST  
SUPERVISOR  
TECHNOLOGY EXAMINER

<b>Notice of References Cited</b>	Application/Control No. 09/739,607	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-6,032,416 ✓	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	Portelier 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-6,398,115 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.

Dec 02 03 10:20a

Darrin Wesley Harris

317-595-0993

P.1

RECEIVED  
CENTRAL FAX CENTER

DEC 02 2003  
**OFFICIAL**

**OFFICIAL**

**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: 19  
(including cover sheet)

IF YOU HAVE ANY PROBLEMS RECEIVING THIS MESSAGE, PLEASE CALL 847905-7111, Ext. 2289 AND ASK FOR JENNIFER GRUZ.

THIS MESSAGE IS INTENDED ONLY FOR THE INDIVIDUAL OR ENTITY TO WHICH IT IS ADDRESSED. IT MAY CONTAIN PRIVILEGED, CONFIDENTIAL, ATTORNEY WORK PRODUCT, OR TRADE SECRET INFORMATION WHICH IS EXEMPT FROM DISCLOSURE UNDER APPLICABLE LAW. IF YOU ARE NOT THE INTENDED RECIPIENT, YOU ARE HEREBY NOTIFIED THAT ANY DISSEMINATION, DISTRIBUTION, OR COPYING OF THIS MESSAGE IS STRICTLY PROHIBITED. IF YOU HAVE RECEIVED THIS MESSAGE IN ERROR, PLEASE NOTIFY US IMMEDIATELY BY TELEPHONE AND RETURN THE ORIGINAL MESSAGE (AND ALL COPIES) TO US BY MAIL AT THE ABOVE ADDRESS. WE WILL REIMBURSE YOU FOR POSTAGE.

**TRANSMITTAL FORM**

(to be used for all correspondence after initial filing)

Attorney Docket No.	PHF 98,824 (7790310)
Application Number	09739,507
Filing Date	DECEMBER 18, 2003
First Named Inventor	PHILIPPE DECOTIGNE
Group Art Unit	2863
Examiner	ZEWOU, MELESS NMN

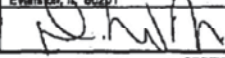
**ENCLOSURES (check all that apply)**

<input checked="" type="checkbox"/> Response to Non-Final Office Action Dated August 27, 2003 <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/Declaration(s) <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> One-Month Petition for Extension of Time Request (dup) <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement, PTO-1449, int <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application	<input type="checkbox"/> Assignment Papers (for an Applicant) <input type="checkbox"/> Substitute Drawing <input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Petition Routing Slip (PTO/SBAR) and Accompanying Petition <input type="checkbox"/> To Convert a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Small Entity Statement <input type="checkbox"/> Request of Refund <input checked="" type="checkbox"/> 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. <input checked="" type="checkbox"/> 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.	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Post Card Receipt <input checked="" type="checkbox"/> Additional Enclosure(s) (please identify below): <input checked="" type="checkbox"/> Replacement Drawing Sheet 1/2 <input type="checkbox"/> <input type="checkbox"/>
---	---	--

**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=			+ \$285=	
				<b>total add'l fee</b>	<b>9.0</b>		<b>total add'l fee</b>	<b>8</b>

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm or Individual name	DARRIN WESLEY HARRIS Registration No. 40,638 CARDINAL LAW GROUP 1803 Orrington Avenue, Suite 2000 Evanston, IL 60201		
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		Date	DECEMBER 2, 2003
-----------	---	------	------------------



#8  
P-3  
12/5/03

PTO/SB/22 (12-07)  
Approved for Use Through 9/2000. OMB 0561-0051  
Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

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

<b>PETITION FOR EXTENSION OF TIME UNDER 37 CFR 1.136(a)</b>		Docket Number PHF 99,624 000034
In re Application of: <b>PHILIPPE DECOTIGNIE</b>		
Application Number: 09/730,507	Filed: DECEMBER 18, 2000	
For: ANTI-THEFT PROTECTION FOR A RADIOTELEPHONY DEVICE		
Group Art Unit: 2883	Examiner: ZEWDU, MELESS NIM	

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:

<input checked="" type="checkbox"/>	One month (37 CFR 1.17(a)(1))	\$ 110.00
<input type="checkbox"/>	Two months (37 CFR 1.17(a)(2))	\$ 420.00
<input type="checkbox"/>	Three months (37 CFR 1.17(a)(3))	\$ 950.00
<input type="checkbox"/>	Four months (37 CFR 1.17(a)(4))	\$ 1,480.00
<input type="checkbox"/>	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:

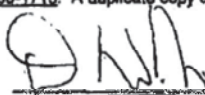
is enclosed.

has already been filed in this application.

A check in the amount of \$\_\_\_\_\_ is enclosed.

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  
Suite 2000  
1603 Orrington Avenue  
Evanston, Illinois 60201  
(847) 905-7111

12/16/2003 10:20:08 AM 09739507 00000001 501713

Dec 02 03 10:20a

Darrin Wesley Harris

317-595-0993

# 9A  
P. 4  
12/5/03

RECEIVED  
CENTRAL FAX CENTER

DEC 02 2003

OFFICIAL

Certificate of Facsimile  
I hereby certify that this correspondence is being  
transmitted by facsimile to (703) 872-9314 to the U.S.  
Patent and Trademark Office December 2, 2003  
(Date of Deposit)

DARRIN WESLEY HARRIS (40,636)  
Name of Applicant, Assignee or registered representative

DWH  
Signature

December 2, 2003  
Date of Signature

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

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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

Examiner: ZEWDU, MELESS

Group Art Unit: 2683

**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

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

**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:**

a1

- sensing 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:**

a2

- 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.**

A

December 2, 2003  
Case No. PHF 99,624 (7790/310)  
Serial No.: 09/739,507  
Filed: December 18, 2000  
Page 3 of 15

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

December 2, 2003  
Case No. PHF 99,624 (7790/310)  
Serial No.: 09/739,507  
Filed: December 18, 2000  
Page 4 of 15

**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 TMIS data, and "TX" has been added within transceiver assembly 35 of FIG. 2.

A



December 2, 2003  
Case No. PHF 99,624 (7790/310)  
Serial No.: 09/739,507  
Filed: December 18, 2000  
Page 5 of 15

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;

~~debug 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  
debugging 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.

95  
Sub  
B1

A

December 2, 2003  
Case No. PHF 99,624 (7790/310)  
Serial No.: 09/739,507  
Filed: December 18, 2000  
Page 6 of 15

- 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;

95  
Sub  
B1

A

December 2, 2003  
Case No. PHF 99,624 (7790/310)  
Serial No.: 09/739,507  
Filed: December 18, 2000  
Page 7 of 15

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.

AS  
Sub B1

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.

A



December 2, 2003  
Case No. PHF 99,624 (7790/310)  
Serial No.: 09/739,507  
Filed: December 18, 2000  
Page 8 of 15

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.

AS  
Sub  
B1

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:

A

December 2, 2003  
Case No. PHF 99,624 (7790/310)  
Serial No.: 09/739,507  
Filed: December 18, 2000  
Page 9 of 15

AS *Sil*  
B

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

A



December 2, 2003  
Case No. PHF 99,624 (7790/310)  
Serial No.: 09/739,507  
Filed: December 18, 2000  
Page 10 of 15

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.

December 2, 2003  
Case No. PHF 99,624 (7790/310)  
Serial No.: 09/739,307  
Filed: December 18, 2000  
Page 11 of 15

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. 6,093,416 to *Grant* et al.

The Applicant has thoroughly considered Examiner Zewdu's 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 for 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.

A

December 2, 2003  
Case No. PHF 99,624 (7790/310)  
Serial No.: 09/739,507  
Filed: December 18, 2000  
Page 12 of 15

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

December 2, 2003  
Case No. PHF 99,624 (7790/310)  
Serial No.: 09/739,507  
Filed: December 18, 2000  
Page 13 of 15

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. 6,093,416 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.

A

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

**SUMMARY**

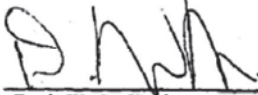
Examiner Zewdu's objections and rejections of pending claims 1-10 have been obviated by the cancellation herein of claims 1-10. The Applicant has supported an allowance of new claims 11-30 over the art of record. The Applicant respectfully submits that claims 11-30 as added herein fully satisfy the requirements 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

PHILIPS INTELLECTUAL PROPERTY  
& STANDARDS  
P.O. Box 3001  
Briarcliff, New York 10510  
Phone: (914) 333-9612  
Fax: (914) 332-0615

Jack D. Slobod  
Registration No. 26,236  
Attorney for Applicant



CARDINAL LAW GROUP  
Suite 2000  
1603 Orrington Avenue  
Evanston, Illinois 60201  
Phone: (847) 905-7111  
Fax: (847) 905-7113

Darrin Wesley Harris  
Registration No. 40,636  
Attorney for Applicant





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

ABSTRACT

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

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

class	subclass
405	410

# REPLACEMENT SHEET

1/2

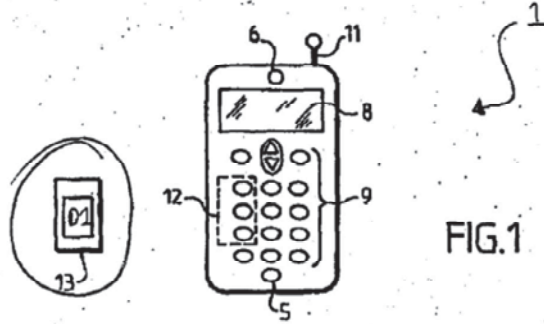


FIG.1

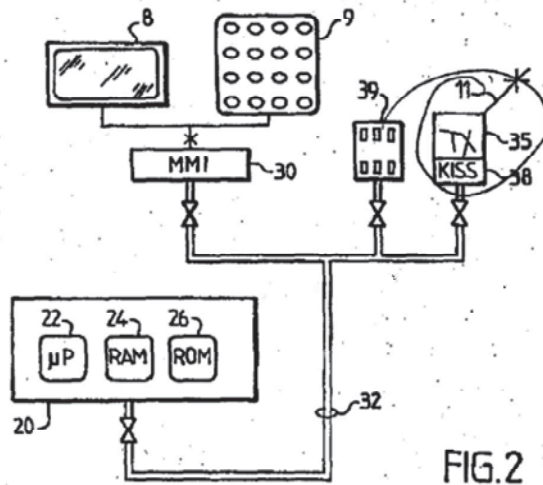


FIG.2

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

# REPLACEMENT SHEET

1/2

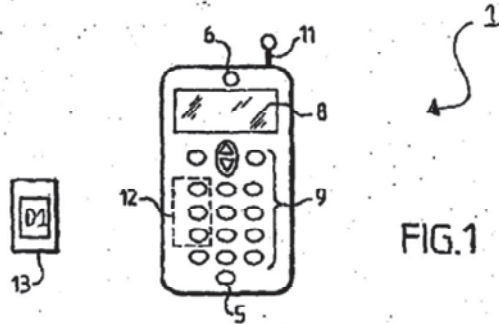


FIG. 1

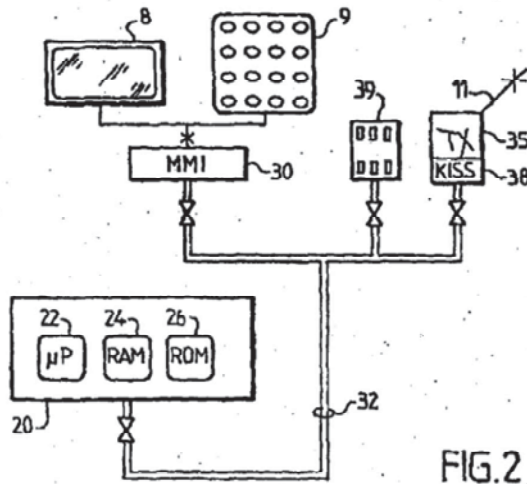


FIG. 2



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/739,507	12/18/2000	Philippe Desotignie	PHF 99,624	3125

24737 7590 02/19/2004  
PHILIPS INTELLECTUAL PROPERTY & STANDARDS  
P.O. BOX 3001  
BRIARCLIFF MANOR, NY 10510

EXAMINER

ZEWDU, MELESS NMN

ART UNIT PAPER NUMBER

2643

70

DATE MAILED: 02/19/2004

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

<b>Office Action Summary</b>	<b>Application No.</b> 09/739,507	<b>Applicant(s)</b> DECOTIGNIE, PHILIPPE	
	<b>Examiner</b> Meless N Zewdu	<b>Art Unit</b> 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 02 December 2003.

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) 11-30 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) 11-30 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) <input type="checkbox"/> Notice of References Cited (PTO-882) 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/S9/08) Paper No(s)/Mail Date _____	4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s)/Mail Date _____ 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) 6) <input type="checkbox"/> Other: _____
--	---



**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 disclosed 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 negated 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 per 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 timing 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 Grant 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**

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.



Application/Control Number: 09/739,507

Page 12

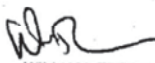
Art Unit: 2683

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 *M. Z.*

Examiner

16 February 2004.

  
WILLIAM TROST  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2600

<b>Notice of References Cited</b>	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-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.