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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: SECURING ACCESS AUTHORISATION

	a	b	c	d	e	f	g	h	i	j
a	6	21	...							
b										
c										
d			...	362	...				7	
e										
f										
g										
h										
i				...	7	...				
j				...	94	...				

303

302

102D

	a	b	c	d	e	f	g	h	i	j
a	6	21	...	...	5	...				
b										
c										
d			...	362	...				7	
e										
f										
g										
h										
i				...	7	...				
j				...	94	...				

303

302

102D

304

102E

(57) Abstract: A system for securing access to an electronic resource is provided, which comprises at least one data processing terminal and a support including at least first and second series of numerical values, said terminal comprising storage means, processing means and display means, said storage means storing a combination of a user reference and an electronic resource user access reference for at least one user and instructions which configure said processing means to generate a third series of random numerical values and request user input in response to said user requesting access to said electronic resource, compare said user input and said electronic resource user access reference upon receiving said user input, and grant access to said electronic resource upon said comparison returning a match, wherein said user input comprises at least one numerical value of said first series identified with positioning said support relative to said display device and comparing corresponding numerical value of said second series with corresponding numerical value of said third series.

INTERNATIONAL SEARCH REPORT

International application No
PCT/IE2006/000015

A. CLASSIFICATION OF SUBJECT MATTER
INV. G06F21/20

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02/17556 A (CMX TECHNOLOGIES PTY LTD; YOUSOFI, SIAMACK) 28 February 2002 (2002-02-28) page 15 - page 18; figures 9-12 -----	1-28
X	US 6 141 751 A (OGAWA ET AL) 31 October 2000 (2000-10-31) the whole document -----	1-28
X	FR 2 654 238 A (LEFEVRE JEAN PIERRE) 10 May 1991 (1991-05-10) the whole document ----- -/--	1-28

☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

25 July 2006

Date of mailing of the international search report

13. 10. 2006

Name and mailing address of the ISA/

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INTERNATIONAL SEARCH REPORT

International application No

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	MENEZES ET AL: "POLYALPHABETIC SUBSTITUTIONS AND VIGENERE CIPHERS (HISTORICAL)" HANDBOOK OF APPLIED CRYPTOGRAPHY, CRC PRESS SERIES ON DISCRETE MATHEMATICS AND ITS APPLICATIONS, BOCA RATON, FL, CRC PRESS, US, 1997, pages 241-242, XP002216606 ISBN: 0-8493-8523-7 the whole document -----	1-28

INTERNATIONAL SEARCH REPORT

International application No.
PCT/IE2006/000015

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-28

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-28

A method, system and a support for securing access to an electronic resource whereby the support has one series of numerical values printed on it. The problem to be solved is to provide cheap method for user authentication.

2. claims: 29-42

A method, system and support for securing access to an electronic resource whereby the support has two series of numerical values printed on it. The problem to be solved is to provide an alternative cheap method for user authentication.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/IE2006/000015

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0217556	A	28-02-2002	CA 2420239 A1 EP 1329052 A1 JP 2004507010 T	28-02-2002 23-07-2003 04-03-2004
US 6141751	A	31-10-2000	JP 10307799 A	17-11-1998
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