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(54) **Authorization control system**

(57) An authorization control system is presented in which any person who wants to use a device, amongst others particularly cars or fire arms can only use the device when the person has passed a successful authorization check. The check is performed with secret personal data, carried by the person and some data stored in digital form in the device. The data is transferred automatically from the person into the device's data processing device (23) when an authorized person wants to use the device, in case of a fire arm, wants to shoot.

The data interface comprises capacitive coupling means (22) with the human body serving as carrier of the information stream or in an alternative embodiment, the data interface comprises a direct metal contact. The system can be extended to achieve a documentation of the use, too.

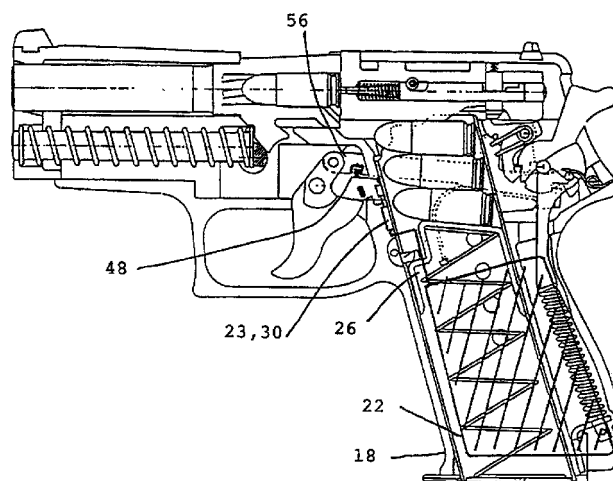


FIG. 2

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EUROPEAN SEARCH REPORT

Application Number
EP 99 11 5748

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	GB 2 306 725 A (ROBINSON ALAN WILLIAM) 7 May 1997 (1997-05-07) * abstract; claims; figures * * page 9, line 7 - line 16 * * page 11, line 13 - line 25 *	1-4, 13	G07C9/00 F41A17/06
A	---	5-12	
X	GB 2 129 176 A (ROUNDEL ELECTRONICS) 10 May 1984 (1984-05-10) * abstract; claims; figures * * page 1, line 28 - page 3, line 8 *	1, 2	
X	US 5 204 672 A (BROOKS JAMES E) 20 April 1993 (1993-04-20) * abstract; claims; figures *	1, 2, 13	
X	FR 2 688 301 A (DUBOIS JEAN PIERRE) 10 September 1993 (1993-09-10) * abstract; claims; figures * * page 3, line 29 - page 4, line 22 *	10, 11	
Y	---	1-9, 12, 13	TECHNICAL FIELDS SEARCHED (Int.Cl.7)
X	US 5 682 032 A (PHILIPP HARALD) 28 October 1997 (1997-10-28) * abstract; claims; figures * * column 3, line 25 - column 4, line 24 * * column 13, line 41 - line 55 *	10, 11	G07C F41A
Y	---	1-9	
Y	US 5 502 915 A (MENDELSON EDDIE S ET AL) 2 April 1996 (1996-04-02) * abstract; claims; figures * * column 2, line 32 - line 52 *	12	
Y	DE 44 35 894 A (TELEFUNKEN MICROELECTRON) 11 April 1996 (1996-04-11) * abstract; claims; figure *	13	
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 14 February 2001	Examiner Meyl, D
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
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14-02-2001

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
GB 2306725 A	07-05-1997	NONE	
GB 2129176 A	10-05-1984	EP 0109184 A GB 2129076 A,B JP 59130979 A US 4591854 A	23-05-1984 10-05-1984 27-07-1984 27-05-1986
US 5204672 A	20-04-1993	WO 9423503 A	13-10-1994
FR 2688301 A	10-09-1993	NONE	
US 5682032 A	28-10-1997	WO 9731325 A	28-08-1997
US 5502915 A	02-04-1996	NONE	
DE 4435894 A	11-04-1996	NONE	

EPO FORM P0459

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