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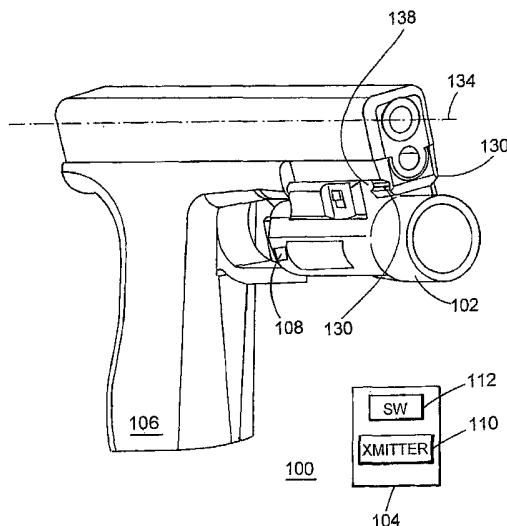
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: WIRELESS CONTROLLED DEVICES FOR A WEAPON AND WIRELESS CONTROL THEREOF



(57) Abstract: A system (100) related to weapon (106) mounted auxiliary devices (102) that can be operated by wireless remote control, and a remote controller (104) by which an operator can operate the auxiliary devices (102) remotely by wireless control. This includes all means of remote control of the auxiliary devices to include but not be limited to radio frequency (RF), infrared (IR) energy, all other wavelengths of the electromagnetic spectrum, and acoustic, pressure, or sound waves. Control of the auxiliary devices 102 can range from simple activation to wireless control of all auxiliary device controls and adjustments. This can also include a single remote control device (104) that can operate one or more weapons (106) mounted auxiliary devices (102).

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/10769

A. CLASSIFICATION OF SUBJECT MATTER

IPC: **G08C 19/00**(2006.01);**F41G 1/38**(2006.01),**1/00**(2006.01)

USPC: 340/825.69;42/123,146

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)

U.S. : 340/825.69; 42/123, 146

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 practicable, search terms used)

EAST

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	US 3,939,679 (BARKER et al.) 24 February 1976 (24.02.1976), Col. 2, lines 57-65; Col. 3, lines 59-68; Col. 4, lines 1-6 and 27-63; Col. 6, lines 55-68; Col. 7, lines 4-8 and 25-29; Col. 8, lines 17-22 and 64-68; Col. 9, lines 1-63	1-3, 5-7, 11, 17-20, 22, 23, 33, 34, 38 ----- 4, 8, 10, 12-15, 21, 24-30, 35-37
X --- Y	US 5,685,105 (TBETZEL) 11 November 1997 (11.11.1997), Col. 3, lines 66-67; Col. 4, lines 1-24; Col. 5, lines 4-7	1-3, 6, 7, 9, 11, 16, 17, 19, 23, 33, 34, 38-41 ----- 4, 8, 10, 12-15, 21, 24-30, 35-37, 42-51
Y	US 6,297,746 B1 (NAKAZAWA et al.) 02 October 2001 (02.10.2001), Col. 9, lines 31-56; Col. 10, lines 41-62; Col. 11, lines 12-22.	4, 35, 36, 42-47

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	"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
"E" earlier application or patent published on or after the international filing date	"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
"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)	"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
"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	"&"	document member of the same patent family

Date of the actual completion of the international search

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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.
Y	US 5,740,037 (McCANN et al.) 14 April 1998 (14.04.1998), Col. 1, lines 36-60; Col. 2, lines 12-37; Col. 3, lines 20-67; Col. 4, lines 2-20 and 43-67; Col. 5, lines 1-4, 24-46, and 62-65; Col. 6, lines 28-67; Col. 7, lines 8-38.	8, 13-15, 25-30
Y	US 5,590,486 A (MOORE) 07 January 1997 (07.01.1997), Col. 10, lines 55-61.	10
Y	US 6,008,735 A (CHILOYAN et al.) 28 December 1999 (28.12.1999), Col. 3, lines 63-67; Col. 4, lines 1-4.	12
Y	US 3,757,303 (BLASS) 04 September 1973 (04.09.1973), Col. 1, lines 16-21 and 44-59; Col. 2, lines 16-23; Col. 5, lines 48-68; Col. 6, lines 1-37; Col. 7, lines 35-45.	21, 24
Y	US 5,359,779 (POLK et al.) 01 November 1994 (01.11.1994), Col. 5, lines 57-63.	36, 37, 48, 49
Y	US 2002/0071513 A1 (UCKERT) 13 June 2002 (13.06.2002), Section [0030]	37, 49
Y	US 5,583,491 (KIM) 10 December 1996 (10.12.1996), Col. 1, lines 20-25; Col. 2, lines 35-62; Col. 3, lines 9-51	50, 51

INTERNATIONAL SEARCH REPORT

International application No.

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Box No. 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 No. 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:
Please See Continuation 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 additional fees, this Authority did not invite payment of any additional fees.
 - 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.:
- Remark on Protest**
- The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
 - The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
 - No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

International application No.
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BOX III. OBSERVATIONS WHERE UNITY OF INVENTION IS LACKING

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1. In order for all inventions to be examined, the appropriate additional examination fees must be paid.

Group I, claim(s) 1-39, is drawn to a wireless control system comprising an auxiliary device mounted on a weapon and a remote control device that wirelessly controls the auxiliary device..

Group II, claim(s) 40-51, is drawn to a light generating device that is wirelessly controlled by a remote control device.

The inventions listed as Groups I and II do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: Though both groups share a wirelessly controlled device and a remote control device, these features fail to define a contribution over the prior art. .