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(54) Title: METHOD AND APPARATUS FOR INCREASING THE EFFECTIVENESS OF ELECTRICAL DISCHARGE WEAPONS

(57) Abstract: A cartridge for propelling a pair of wire-tethered contact darts for disabling a remote target with an electrical discharge. The cartridge comprises two bores each having one wire-tethered dart in front of an electrically activated pyrotechnic. In order to avoid creating short arcing gaps after ignition of the pyrotechnics, the pyrotechnics are connected in electrical parallel with the wire-tethered darts so that current passing through the target does not have to arc across gaps left by the pyrotechnics. Two embodiments are presented, one in which the pyrotechnics are in series with the other and one in which they are in parallel relation to each other.



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INTERNATIONAL SEARCH REPORT

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 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. : 89/1.11

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)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3,803,463 (COVER) 09 April 1974 (09.04.1974), Figs. 1, 2, 5, 15; col. 4, line 54 to col. 5, line 26; col. 7, lines 3-15.	1,2,3,5,7,8,9
X	US 2002/0170418 A1 (MCNULTY) 21 November 2002 (21.11.2002), Figs. 7 and 8; [0012], [0034], [0037].	1-9

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