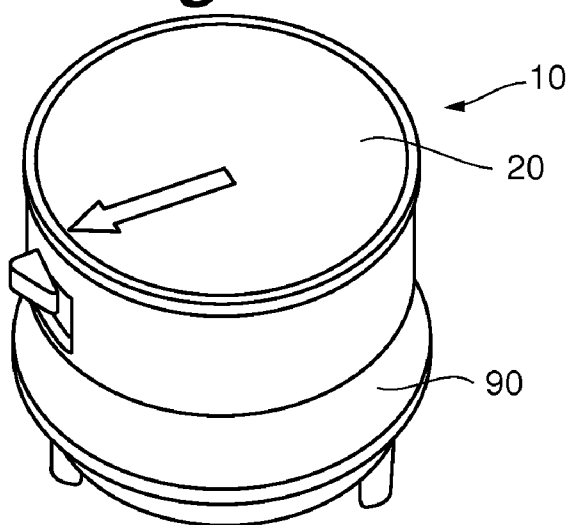




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[Continued on next page]

(54) **Title:** TACTICAL SHORTING PLUG**Fig. 1**

(57) **Abstract:** A shorting plug for a pulsed power system is provided, having a rotator assembly at least partially nested within a cam housing and at least partially rotatable within the cam housing with respect to a cam rail that operably engages the rotator assembly to transition between a shorted mode of operation and an open mode of operation. During the shorted mode of operation, a pair of electrical contacts extend from the cam housing to operably engage the electrical contacts electrically connected to a energy storage device such as a capacitor, while the electrical contacts are retracted and rotated within the cam housing during the open mode of operation. The rotator assembly is connected to a housing cap, which allows the operator to transition the shorting plug between the two modes of operation. The shorting plug also contains a first latch mechanism that operably engages the housing cap during the shorted mode of operation, and a second latch mechanism that operably engages the housing during the open mode of operation. During transition between the shorted and open modes of operation, a vertical load, a horizontal load and a rotational load are applied by the operator to overcome the horizontal load and rotational locking mechanism provided by the first and second latch mechanisms, a downward vertical load applied to the rotator assembly that operably engages the cam rail, and the cam rail that provides a rotational limit of the rotator assembly without an upward vertical load being applied.



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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

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

eKOMPASS(KIPO internal) & Keywords:plused power,rotate,shorting plug,cam

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 2009-231708 A (DAIHEN CORP) 08 October 2009 See abstract, paragraphs [0031],[0038],figure 3 and claim 1.	1-27
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Information on patent family members

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