

2012

[Methods and Apparatus for Integrated Energy Harvesting Power Sources and Inertial Sensors for Gun-Fired Munitions](#) , U.S. Patent Number **8,266,963**, issued September 18, 2012.

[System and method for providing scanning polarized reference sources](#) , U.S. Patent Number **8,259,292** , issued September 4, 2012.

[System and method for roll angle indication and measurement in flying objects](#) , U.S. Patent Number **8,258,999** , issued September 4, 2012.

[Methods and devices for enabling safe/arm functionality within gravity dropped small weapons resulting from a relative movement between the weapon and a rack mount](#) , U.S. Patent Number **8,245,641** , issued August 21, 2012.

[Device for generating power from a locomotion energy associated with leg muscles acting across a joint](#) , U.S. Patent Number **8,235,869**, issued August 7, 2012.

[Software based driving directions](#) , U.S. Patent Number **8,224,569**, issued July 17, 2012.

Recent Patents

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[Battery-less emergency distress signal and position indication broadcasting methods and devices](#) , U.S. Patent Number **8,217,784**, issued July 10, 2012.

[Energy harvesting power sources for assisting in the recovery/detonation of unexploded munitions](#) , U.S. Patent Number **8,205,555**, issued June 26, 2012.

[Mechanical stepper motors](#) , U.S. Patent Number **8,193,754**, issued June 5, 2012.

[Multi-stage mechanical delay mechanisms for inertial igniters for thermal batteries and the like having a rotatable movable member](#) , U.S. Patent Number **8,191,476**, issued June 5, 2012.

[Energy harvesting power sources for generating a time-out signal for unexploded munitions](#) , U.S. Patent Number **8,191,475**, issued June 5, 2012.

[Methods and apparatus for mechanical reserve power sources for gun-fired munitions, mortars, and gravity dropped weapons](#) , U.S. Patent Number **8,183,746**, issued May 22, 2012.

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[Computer having a casing and/or interior acting as a communication bus between electronic components](#) , U.S. Patent Number **8,160,407**, issued April 17, 2012.

[Electrical generators for use in unmoored buoys and the like platforms with low-frequency and time-varying oscillatory motions](#) , U.S. Patent Number **8,134,281**, issued March 13, 2012.

[*Mechanical stepper motors for gun-fired projectiles, mortars and missiles*](#) , U.S. Patent Number **8,110,785**, issued February 7, 2012.

[*Projectile having one or more windows for transmitting power and/or data into/from the projectile interior*](#) , U.S. Patent Number **8,110,784**, issued February 7, 2012.

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[*Shape memory safety utensil*](#) , U.S. Patent Number **8,087,174**, issued January 3, 2012.

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[*Integrated reference source and target designator system for high-precision guidance of guided munitions*](#) , U.S. Patent Number **8,076,621**, issued December 13, 2011.

[*Showerhead having a temperature sensitive valve having shape memory actuator*](#) , U.S. Patent Number **8,066,199**, issued November 29, 2011.

[*Device for generating power across a joint*](#) , U.S. Patent Number **8,062,237**, issued November 22, 2011.

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[Programmable inertial igniters for gun-fired munitions, thermal batteries and the like](#) , U.S.

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[Coupling having a temperature sensitive valve having shape memory actuator](#) , U.S. Patent

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[System and method for roll angle indication and measurement in flying objects](#) , U.S. Patent

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[Actuators for gun-fired projectiles and mortars](#) , U.S. Patent Number **7,975,468,** issued

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[Actuators for gun-fired projectiles and mortars](#) , U.S. Patent Number **7,973,270**, issued July 5, 2011.

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[Low-detectability communication between a transmitter and receiver](#) , U.S. Patent Number **7,907,669** , issued March 15, 2011.

Method and devices for generating energy from photovoltaics and temperature differentials