



CRANE

Innovation Infosheet

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Hand-Held Firing Device

Track Code: CRANE-100507

Categories:

- Mechanical Engineering
- NSWC Crane

Keywords:

- Crane
- Detonators
- Law Enforcement
- Military

Handheld firing devices are known to include a firing pin or other sharp object that strikes a non-electric detonator to initiate large explosives in order to create openings such as a building's wall or a gate. The non-electric detonator may be created so that the firing pin must strike the detonator in a specific location and with a specific force in order to prevent inadvertent or unintentional detonation.

Naval Surface Warfare Center, Crane Division (NSWC Crane), has developed and patented a handheld firing device for initiating non-electric detonators. This device is a safe and reliable way of triggering a non-electric detonator so that the firing pin strikes the detonator in a specific location with the specified force.

Advantages:

- Enhanced triggering of non-electric detonators
- Improved safety

Potential Applications:

- Military
- Rescuers

People:

- Bond, Thomas L. (Project leader)
- Robinson, Barbara
- Shrum, Jerry

Intellectual Property:

Application Date: December 31, 2010

Type: Utility Patent

Country of Filing: United States

Patent Number: 8,234,978

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