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PATENT APPLICATION FULL TEXT AND IMAGE DATABASE



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United States Patent Application**20030033952****Kind Code****A1****Tanner, Daniel Jeremy****February 20, 2003**

Tannerite binary exploding targets

Abstract

The idea of an exploding target which is sold in "two parts" and is not classified as an explosive until a catalyst is added to the main target, is a completely unique idea which increases the safety of the exploding target and also allows the product to be safely shipped in a "non-hazardous" form. The benefits of this "binary" approach are obvious. Law enforcement and qualified ranges will have a safer reactive target to shoot at during qualification and the targets aren't bound to restrictive storage requirements as set forth by Code of Federal Regulations.

Inventors: **Tanner, Daniel Jeremy;** (*Pleasant Hill, OR*)

Correspondence

Name and Address: **Daniel Jeremy Tanner**
36366 Valley Road
Pleasant Hill
OR
97455
US

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Claims

1. I, Daniel Jeremy Tanner, claim that I am the original and only inventor of the Binary Exploding Target as described within this Specification and that this is the only two component exploding target to ever enter commerce.

Description

REFERENCE TO A MICROFICHE APPENDIX

[0001] Non Applicable

BACKGROUND OF INVENTION/FIELD OF INVENTION

[0002] Tannerite Exploding Targets are a revolutionary idea in the firearms/explosives field. In the past, different companies have offered for sale, small exploding targets which were ready mixed. They were classified as a hazardous material and as an explosive. They could not be heard from much of a distance over the muzzle blast of a high powered rifle. These Tannerite Targets are non-regulated as sold in unmixed form, and therefore are not subject to hazmat shipping or storage laws. They are also much more stable and safer than ready-mixed exploding targets. Since the Tannerite Target requires a center fire rifle round to detonate it, there is no application for terrorists and no chance of a child being injured with the target, even in mixed form, since the Tannerite Target is not even flammable in the mixed state.

[0003] The need for a larger reactive target at professional competitions is what spurred my company to invent this unique Target. These targets have been widely accepted by shooting ranges and law enforcement authorities in most states.

BRIEF SUMMARY OF THE INVENTION

[0004] In summary, these Tannerite Targets are a completely new idea which has been embraced by most every customer who has had the privilege of using them. This invention eliminates the need for Steel Storage magazines, as is required for ranges which use other bullet sensitive explosives as targets for long range competition. The Tannerite Target is much safer than any other bullet sensitive explosive commercially available. The chemicals are environmentally friendly and non-hazardous to the person using them. The object of my invention was to create an exploding target which was safer and more stable than pre-mixed targets, and which could eliminate accidents to range users.

BRIEF DESCRIPTION OF THE SEVERAL VIEWS OF THE DRAWING

[0005] The accompanying drawings are self explanatory and have the details captioned on the sketch.

DETAILED DESCRIPTION OF THE INVENTION

[0006] The Tannerite Targets are manufactured in my Federally licensed manufacturing plant under my Type 20 license. The Ammonia Perchlorate is added to the Explosive Grade Ammonia Nitrate once the Ammonia Nitrate prills are milled into a powder of 200 mesh. The Oxidizer solution is then funneled into the target containers and the labels attached. The lids are sealed. The catalyst is bottled with 90% Explosive Grade Aluminum powder, 5% Titanium powder and 5% Zirconium. (See attached drawing for details)

[0007] The Targets and catalyst are packaged according to UN specifications in a 200 lb crush weight box

with an instructional video and letters of legality.

[0008] Shipped via UPS from our factory.

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