

Abstract

A PROJECTILE

A projectile 10 comprises a cylindrical body 12 with a first (leading) end 14 and a second (trailing) axially
5 opposed end 16. An internal cavity 18 is formed between the ends 14 and 16 and holds a volume of propellant material 22. The first end 14 is closed by a nose 20 that is fixed to the body 12. The end 14 is sealed with a base seal 26 that seats a primer 24 for igniting the
10 propellant 22. The primer 24 is located inboard of the second end 16 and the base seal 26 to reduce the likelihood of accidental activation. Seals 30 are formed about the body 12 for maintaining gas pressure of deflagrating propellant. The seals 30 may be formed
15 integrally with the body 12 or separately from the body 12 and seated in respective grooves 40 formed circumferentially about the body 12.

(Figure 1 is to accompany the Abstract)



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