

Title (en)
Non-toxic, heavy metal-free zinc peroxide-containing IR tracer compositions and IR tracer projectiles containing same generating a dim visibility IR trace

Title (de)
Nichttoxische, schwermettallfreie zinkperoxidhaltige IR-Tracer-Zusammensetzungen und IR-Tracer-Projektile damit zur Erzeugung einer schwach sichtbaren IR-Spur

Title (fr)
Compositions de traceur IR sans métaux lourds, non toxiques, contenant un peroxyde de zinc, et projectiles à traceur IR les contenant utilisés pour générer une trace IR de faible visibilité

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Application
EP 11166798 A 20060328

Priority
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• US 9836805 A 20050405

Abstract (en)
Novel non-toxic, heavy-metal free, zinc peroxide-containing, IR tracer compositions are provided herein, which, when incorporated into a medium caliber IR tracer projectile and fired, produced a dim visibility IR trace. Such IR tracer compositions comprise from about 65 to about 75% by weight, of zinc peroxide; from about 15 to about 25% by weight of a non-metallic fuel which consists of sodium salicylate; and an effective amount of a binder which is selected from the group consisting of calcium resinate and cellulose acetate butyrate. The total percentage of the ingredients adds up to 100%. Medium caliber, i.e., 0.50 caliber, IR tracer projectiles containing such IR tracer compositions are also provided.

IPC 8 full level
C06B 23/04 (2006.01); **C06B 33/00** (2006.01); **C06C 15/00** (2006.01)

CPC (source: EP US)
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Citation (applicant)
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CZ304078B6; US10752561B2

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