

Title (en)
Insensitive ammunition containing an explosive multi-compositional charge and process for obtaining a blasting effect in water as well as in air.

Title (de)
Aus mehreren explosiven Zusammensetzungen aufgebaute Ladung eines wenig empfindliches Munitionsstückes und Verfahren zur Erzeugung eines Sprengeffektes in Luft und Wasser.

Title (fr)
Élément peu vulnérable de munition explosive comportant un chargement explosif multicomposition et procédé d'obtention d'un effet de souffle et/ou de bulles.

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Application
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Abstract (en)
[origin: EP0481838A1] A relatively insensitive component of explosive ammunition consisting of a casing containing a multicomposition explosive charge in which the innermost layer is a composite explosive consisting of a filled polyurethane or polyester polymeric matrix in which the filler contains more than 40 % by weight of organic nitro explosive and in which the peripheral layer is a pyrotechnic composition of the class of composite solid propellants, consisting of a filled polyurethane or polyester polymeric matrix in which the filler contains at least one inorganic oxidiser and less than 10 % by weight of organic nitro explosives. The blast and/or bubble effect produced is close to that produced by the much more sensitive charge of a single-composition composite explosive of equivalent mass. <??>The invention also relates to a process for obtaining a blast and/or bubble effect by release of gas in the casing of an abovementioned component of ammunition according to the invention followed by a rupture of the casing. The gas release is obtained by detonation of the innermost layer followed by a detonation-free reaction of the peripheral layer.

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