
Technologies of munition demilitarization using electrodynamics effects

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A method of munition shell and explosive charge separation is suggested. The method consists in expanding the shell body under magnetic field. This field was pre-created in the material of the shell body and charge chamber and then sharply reduced nearby the outer surface. The method of extracting the shaped charge metal liner using pulse electromagnetic impact on the elements of construction was also suggested. Theoretical analysis, and assessment calculations of required magnetic field parameters were performed and laboratory tests were carried out.

Keywords: demilitarization, munition, shell, explosive charge, liner, electrodynamic effect, magnetic field.

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