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Embedded can booster

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Abstract

In an explosive device having a main charge explosive, a booster explosive embedded in the main charge explosive, and a detonator, a can or plate is embedded in the main charge explosive and provides a high impedance surface which is shaped and oriented so that shock waves from the booster explosion will strike the high impedance surface at normal incidence and be reflected back toward the booster explosion. This increases the pressure in the main charge explosive material between the booster explosive and the can or plate, thus increasing the effectiveness of the booster explosive.