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Booster rocket range safety system

Inventor: Renzi; John
R.
Ellicott
City MD

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Abstract

In response to an abort command, fragmentation of a propellant booster rocket carried on a missile is limited by positioning of annular shaped charges at axially spaced locations on the outer shell of the booster rocket. Detonation of the charges thereby severs an intermediate section of the rocket from forward and aft sections which remain attached to the missile. The intermediate section is separated from the missile by such severing action to prevent further fragmenting forces from being imparted thereto.