

Title (en)

Countermeasure apparatus for deploying interceptor elements from a spin stabilized rocket

Title (de)

Gegenmassnahmenvorrichtung zum Entfalten von Unterbrechungselementen von drallstabilisierten Raketen

Title (fr)

Dispositif de contre-mesure pour déployer des éléments d'interception à partir d'une fusée stabilisé par rotation

Publication

EP 0821215 A2 19980128 (EN)

Application

EP 97112868 A 19970725

Priority

US 68787796 A 19960725

Abstract (en)

There is provided a countermeasure defense system against hostile missiles directed against tanks and other military vehicles in battle zone that reduces the hazard to friendly military personnel in the zone that is produced at lower cost and whose mission is less complicated to implement by employing non-explosive intercepting ("NEI") elements 14 deployed by the spin stabilized rocket 10. The NEI are carried in a payload section 17 and contained by a slidable sleeve assembly 16 which is retracted by a drive mechanism 21 after a predetermined time delay programmed into the trigger release assembly 46 at the time of launch. The drive mechanism includes a drive rod 26 that is releasably held by a release mechanism 46 that actuates the compressed coiled spring unit 30 that urges the sleeve assembly 16 to move forward with the sleeve member 22 exposing the contents of the payload section to the centrifugal force of the spin stabilized rocket propelling the NEI elements out from the rocket at constant angular velocity creating an interceptor cloud of elements. <IMAGE>

IPC 1-7

F42B 12/36

IPC 8 full level

F42B 12/60 (2006.01)

CPC (source: EP)

F42B 12/60 (2013.01)

Cited by

DE102011109658A1; US7631600B2; WO2004017014A1; WO03006915A1; WO2013020911A1; US8525977B2

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 0821215 A2 19980128; EP 0821215 A3 20011107; IL 121220 A0 19980104

DOCDB simple family (application)

EP 97112868 A 19970725; IL 12122097 A 19970702