

Title (en)
REACTIVE PROTECTION ARRANGEMENT

Title (de)
REAKTIVE SCHUTZANORDNUNG

Title (fr)
SYSTÈME DE PROTECTION RÉACTIF

Publication
EP 2603765 B1 20150909 (DE)

Application
EP 11729924 A 20110705

Priority
• DE 102010034257 A 20100813
• EP 2011003330 W 20110705

Abstract (en)
[origin: CA2807667A1] The invention relates to a reactive protection arrangement for protecting stationary or moving objects (1) against threats (3) by hollow charges, projectile-forming charges, or kinetic energy penetrators is or can be rigidly or movably attached to a side of the object (1) to be protected facing the threat (3) and contains at least one protective surface (4) arranged at an inclination angle (2) from the threat direction. Said protective surface (4) has a front cover (5), which faces the threat (3), and a rear cover (9, 10), which faces away from the threat (3) and is arranged at a distance from the front cover (5) and is preferably designed as a bulging arrangement. Between said two covers (5, 9, 10) is at least one stationary or movable reactive middle layer or reactive zone (11), which has at least two reactive sub-areas (4A) each having at least one explosive-substance field (7), wherein the reactive sub-areas (4) are plugged on all sides by the bounding covers (5, 9, 10) and by lateral separating layers (8).

IPC 8 full level
F41H 5/007 (2006.01)

CPC (source: EP KR US)
F41H 5/007 (2013.01 - EP KR US); **F41H 5/04** (2013.01 - KR)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
DE 102010034257 A1 20120216; DE 102010034257 B4 20130912; AU 2011288670 A1 20130321; AU 2011288670 B2 20150122; BR 112013003155 A2 20200414; BR 112013003155 B1 20210518; CA 2807667 A1 20120216; CA 2807667 C 20170404; CN 103109150 A 20130515; CN 103109150 B 20150909; DK 2603765 T3 20151005; EP 2603765 A1 20130619; EP 2603765 B1 20150909; ES 2550208 T3 20151105; IL 224624 A 20160421; KR 101830460 B1 20180220; KR 20130097187 A 20130902; PL 2603765 T3 20151231; RU 2013110841 A 20140920; RU 2555373 C2 20150710; SG 187814 A1 20130328; US 2013213210 A1 20130822; US 9032858 B2 20150519; WO 2012019677 A1 20120216

DOCDB simple family (application)
DE 102010034257 A 20100813; AU 2011288670 A 20110705; BR 112013003155 A 20110705; CA 2807667 A 20110705; CN 201180039671 A 20110705; DK 11729924 T 20110705; EP 11729924 A 20110705; EP 2011003330 W 20110705; ES 11729924 T 20110705; IL 22462413 A 20130207; KR 20137006445 A 20110705; PL 11729924 T 20110705; RU 2013110841 A 20110705; SG 2013010376 A 20110705; US 201113816854 A 20110705