

Title (en)
Vehicle floor for land-mine protection

Title (de)
Minenschutzboden für ein Panzerfahrzeug

Title (fr)
Sol pour véhicule pour la protection contre les mines terrestres

Publication
EP 1275928 A3 20030716 (DE)

Application
EP 02010537 A 20020510

Priority
DE 10134394 A 20010714

Abstract (en)
[origin: EP1275928A2] Device for protecting against the effect of a landmine, especially for fitting to an armored vehicle by attaching the protective elements to the vehicle base, comprises a concave homogeneous base protection plate (1) having a large radius (7) whose center of the circle lies below the plate. Preferred Features: Elements above the base protection plate in the sump, e.g. torsion bars (2), are positioned a free distance (14) away from the base plate so that they remain undamaged on detonation of a mine and formation of a dynamic dent in the base plate. The base protection plate has a multilayered construction and/or is designed as a sandwich plate.

IPC 1-7
F41H 7/04

IPC 8 full level
F41H 7/04 (2006.01)

CPC (source: EP US)
F41H 7/042 (2013.01 - EP US)

Citation (search report)
• [AD] EP 0849560 A2 19980624 - MAK SYSTEM GMBH [DE]
• [A] EP 0828134 A2 19980311 - KRAUSS MAFFEI AG [DE]
• [A] GB 476717 A 19371214 - RENAULT LOUIS
• [A] FR 2453385 A1 19801031 - CREUSOT LOIRE

Cited by
EP2604970A1; EP1564520A3; FR2974170A1; FR3005626A1; FR2927990A1; EP2685205A1; EP2671665A1; FR2991765A1; EP1566607A1; FR2984482A1; WO2004008062A1; WO2014184470A1; WO2009102364A3; US8978537B2; WO2012070996A1; US8844970B2; EP2997324B1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
EP 1275928 A2 20030115; EP 1275928 A3 20030716; EP 1275928 B1 20040317; AT E262158 T1 20040415; DE 10134394 A1 20030130; DE 10134394 B4 20040212; DE 50200296 D1 20040422; IL 150704 A0 20030212; NO 20022225 D0 20020510; NO 20022225 L 20030115; NO 321498 B1 20060515; US 2003010189 A1 20030116; US 6658984 B2 20031209

DOCDB simple family (application)
EP 02010537 A 20020510; AT 02010537 T 20020510; DE 10134394 A 20010714; DE 50200296 T 20020510; IL 15070402 A 20020711; NO 20022225 A 20020510; US 19314702 A 20020712