

Title (en)
EXPLOSIVE PROJECTILE

Title (de)
SPRENGGESCHOSS

Title (fr)
CARTOUCHE EXPLOSIVE

Publication
EP 1941230 B1 20101215 (DE)

Application
EP 06806296 A 20061014

Priority
• EP 2006009958 W 20061014
• DE 102005050973 A 20051025

Abstract (en)
[origin: WO2007048521A1] The invention relates to an explosive projectile (1) having a projectile body (2) in which a cavity (4) is located, which extends in the direction of the longitudinal axis (3) of the projectile and is filled with an explosive charge (5). In order to ensure that the explosive projectile (1) can be fired with a high firing acceleration without any need to be concerned, even when using plastic-bonded insensitive explosive charges, that the high acceleration will lead to an explosion in the weapon barrel, and in order to avoid stress crack formation in the explosive charge, the invention proposes that a silicone intermediate layer (9) be provided at least in subareas between the explosive charge (5) and the inner surface (6) of the projectile body (2), which silicone intermediate layer (9) on the one hand ensures that the explosive charge (5) is adequately fixed in position with respect to the adjacent inner surface (6) of the projectile body (2), and on the other hand absorbs the majority of the stresses between the projectile body (2) and the explosive charge (5) in a temperature shock test, thus preventing crack formation in the explosive charge (5) during tests such as these.

IPC 8 full level
F42B 12/20 (2006.01); **F42B 12/80** (2006.01)

CPC (source: EP)
F42B 12/207 (2013.01); **F42B 12/80** (2013.01)

Cited by
DE102013014665B3

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
DE 102005050973 A1 20070426; AT E491926 T1 20110115; DE 502006008531 D1 20110127; EP 1941230 A1 20080709; EP 1941230 B1 20101215; ES 2354459 T3 20110315; WO 2007048521 A1 20070503

DOCDB simple family (application)
DE 102005050973 A 20051025; AT 06806296 T 20061014; DE 502006008531 T 20061014; EP 06806296 A 20061014; EP 2006009958 W 20061014; ES 06806296 T 20061014