

Title (en)  
EXPLOSIVE PROJECTILE

Title (de)  
SPRENGGESCHOSS

Title (fr)  
CARTOUCHE EXPLOSIVE

Publication  
**EP 1941230 B1 20101215 (DE)**

Application  
**EP 06806296 A 20061014**

Priority  
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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.

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