

Title (en)  
PROJECTILE HAVING A PYROTECHNIC CHARGE

Title (de)  
GESCHOSS MIT PYROTECHNISCHER WIRKLADUNG

Title (fr)  
PROJECTILE À CHARGE ACTIVE PYROTECHNIQUE

Publication  
**EP 3759417 B1 20231206 (DE)**

Application  
**EP 19706999 A 20190222**

Priority  
• DE 102018104333 A 20180226  
• EP 2019054464 W 20190222

Abstract (en)  
[origin: WO2019162451A1] The invention relates to a projectile (1, 8, 9) having at least one payload (5) or explosive charge in the projectile body (2, 7, 10), preferably in the medium caliber range, the payload (5) being integrated into the projectile body (2, 7, 10) in the form of a pyrotechnic charge. The payload (5) can preferably be enclosed and sealed by a core (6, 14) which preferably consists of metal or plastic. In an alternative embodiment, the pyrotechnic payload (5) is disposed behind a penetrator (11) in the projectile body (10), the payload (5) thus being located between the penetrator (11) and the projectile body (10).

IPC 8 full level  
**F42B 12/06** (2006.01); **F42B 12/36** (2006.01); **F42B 12/44** (2006.01); **F42B 12/46** (2006.01)

CPC (source: EP KR RU US)  
**F42B 12/06** (2013.01 - EP KR RU US); **F42B 12/36** (2013.01 - RU); **F42B 12/367** (2013.01 - EP KR US); **F42B 12/44** (2013.01 - EP KR RU); **F42B 12/46** (2013.01 - EP KR RU); **F42B 12/44** (2013.01 - US)

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)  
**WO 2019162451 A1 20190829**; AU 2019224532 A1 20200910; AU 2019224532 B2 20220519; BR 112020017204 A2 20201222; CA 3091710 A1 20190829; CA 3091710 C 20230124; CN 111919081 A 20201110; CN 111919081 B 20230124; DE 102018104333 A1 20190829; EP 3759417 A1 20210106; EP 3759417 B1 20231206; ES 2970809 T3 20240530; FI 3759417 T3 20240119; HU E065393 T2 20240528; JP 2021515174 A 20210617; JP 7021362 B2 20220216; KR 102448409 B1 20220927; KR 20200121830 A 20201026; PL 3759417 T3 20240429; RU 2751328 C1 20210713; SG 11202008114Q A 20200929; UA 126700 C2 20230111; US 11307006 B2 20220419; US 2021018305 A1 20210121; ZA 202005180 B 20210929

DOCDB simple family (application)  
**EP 2019054464 W 20190222**; AU 2019224532 A 20190222; BR 112020017204 A 20190222; CA 3091710 A 20190222; CN 201980014938 A 20190222; DE 102018104333 A 20180226; EP 19706999 A 20190222; ES 19706999 T 20190222; FI 19706999 T 20190222; HU E19706999 A 20190222; JP 2020544827 A 20190222; KR 20207026315 A 20190222; PL 19706999 T 20190222; RU 2020128084 A 20190222; SG 11202008114Q A 20190222; UA A202006155 A 20190222; US 201916975470 A 20190222; ZA 202005180 A 20200820