

Title (en)
SUBSONIC, EXPANDING AND LEAD-FREE PROJECTILE

Title (de)
UNTERSCHALL, EXPANSIONS- UND BLEIFREIES PROJEKTIL

Title (fr)
PROJECTILE SUBSONIQUE, DILATABLE ET SANS PLOMB

Publication
EP 4105593 A1 20221221 (EN)

Application
EP 22176267 A 20220531

Priority
FI 20215692 A 20210614

Abstract (en)
The invention relates to a subsonic, expanding and lead-free projectile (10), which comprises a projectile body (20) and a tip part (30), which projectile body (20) of the subsonic, expanding and lead-free projectile (10) is a solid projectile body and made of copper composition, most advantageously extremely pure copper composition, which subsonic projectile tip (30) of the subsonic, expanding and lead-free projectile (10) is made of brass, in which the projectile body (20) has a hollow opening (22) extending around imaginary axis of the projectile body (20), and which hollow opening (22) is cylindrical. The projectile tip (30) is shorter in axial direction than depth of the hollow opening (22), that the projectile body (20) comprises a uniform ring (23) formed at front part of the projectile body (20) and the projectile body (20) comprises axially extending slots (21), which slots (21) extend a distance of 15-20 mm, advantageously about 18 mm, from back edge of the ring (23) in the front part of the projectile body (20) and in between the axially extending slots (21) expanding parts (25) of the projectile body (20) are configured to form.

IPC 8 full level
F42B 12/34 (2006.01); **F42B 12/74** (2006.01)

CPC (source: EP FI)
F42B 12/34 (2013.01 - EP FI); **F42B 12/74** (2013.01 - EP)

Citation (applicant)
• EP 2965038 A1 20160113 - NURMINEN VESA [FI]
• DE 102014224715 A1 20160504 - METALLWERK ELISENHÜTTE GMBH [DE]

Citation (search report)
• [I] US 2015354930 A1 20151210 - FRICKE DAVID B [US]
• [XD] DE 102014224715 A1 20160504 - METALLWERK ELISENHÜTTE GMBH [DE]
• [A] US 4776279 A 19881011 - PEJSA ARTHUR J [US]
• [A] DE 2028238 A1 19711216
• [A] US 2016216090 A1 20160728 - FRICKE DAVID B [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

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4105593 A1 20221221; FI 129688 B 20220630; FI 20215692 A1 20220630

DOCDB simple family (application)
EP 22176267 A 20220531; FI 20215692 A 20210614