

Title (en)
GUN SOUND MODERATORS

Title (de)
PISTOLENSCHALLMINDERER

Title (fr)
MODÉRATEURS SONORES DE PISTOLET

Publication
EP 3001134 A1 20160330 (EN)

Application
EP 15181887 A 20150820

Priority
GB 201414871 A 20140821

Abstract (en)
A gun sound moderator 30 has an external moderator cylinder wall 50 inside which is a series of stages 54 each having a baffle 32 formed with a concentric hole 46 which is concentric with the cylinder wall 50 and a deflector 38, gas passing through the concentric hole being deflected by the deflector 38 so as to move with a radial component towards an end to move with a circulatory motion along/around inside the moderator cylinder wall 30 so as to achieve improved heat transfer from the gas through the moderator cylinder wall and into the ambient atmosphere outside the gun sound moderator so as to achieve cooling of the gas so as to reduce its volume and controlled gas release to atmosphere, so as to achieve a relatively quiet report/noise when a projectile 20 is fired through the gun sound moderator.

IPC 8 full level
F41A 21/30 (2006.01)

CPC (source: EP GB US)
F41A 21/30 (2013.01 - EP GB US); **F41A 21/32** (2013.01 - GB)

Citation (search report)
• [X] US 2375617 A 19450508 - BOURNE ROLAND B
• [X] US 958934 A 19100524 - MAXIM HIRAM PERCY [US]
• [X] WO 8301680 A1 19830511 - TAGUCHI MITSUO

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

DOCDB simple family (publication)
GB 201414871 D0 20141008; GB 2529462 A 20160224; EP 3001134 A1 20160330; GB 201514885 D0 20151007; GB 2529561 A 20160224; US 2016054086 A1 20160225

DOCDB simple family (application)
GB 201414871 A 20140821; EP 15181887 A 20150820; GB 201514885 A 20150820; US 201514832532 A 20150821