

Title (en)  
IMPROVEMENT RELATING TO PROJECTILE CARTRIDGE OBTURATORS AND WADS AND CARTRIDGES EMPLOYING SUCH

Title (de)  
VERBESSERUNG IN BEZUG AUF GESCHOSSPATRONENVERSCHLUSSVORRICHTUNGEN SOWIE PFROPFEN UND PATRONEN DAMIT

Title (fr)  
PERFECTIONNEMENT CONCERNANT DES OBTURATEURS DE CARTOUCHE DE PROJECTILE ET BOURRES ET CARTOUCHES UTILISANT UN TEL OBTURATEUR

Publication  
**EP 4088083 A1 20221116 (EN)**

Application  
**EP 20828105 A 20201215**

Priority  
• GB 202000379 A 20200110  
• GB 2020053211 W 20201215

Abstract (en)  
[origin: GB2585964A] A projectile cartridge obturator 1 comprises a main body 2 having a first centrally located projection spaced apart from a first annular skirt portion 3 and a second face with a second centrally located projection spaced apart from a second annular skirt portion 4 located on the periphery of the body. A free end of each skirt portion 3, 4 is configured to form a seal with an interior wall of a projectile cartridge case (e.g. a shotgun cartridge case). The first skirt portion is provided with a secondary seal 5 away from the free end. The secondary seal 5 is also configured to form a seal with the interior wall of the case. The second skirt 4 may also have a secondary seal 6.

IPC 8 full level  
**F42B 7/08** (2006.01)

CPC (source: EP GB US)  
**F42B 7/08** (2013.01 - EP GB 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)  
**GB 202000379 D0 20200226; GB 2585964 A 20210127; GB 2585964 B 20211215**; EP 4088083 A1 20221116; EP 4088083 B1 20240717; US 2023349678 A1 20231102; WO 2021140311 A1 20210715

DOCDB simple family (application)  
**GB 202000379 A 20200110**; EP 20828105 A 20201215; GB 2020053211 W 20201215; US 202017791352 A 20201215