

Title (en)
OBTURATOR RING WITH INTERLOCKING SEGMENTS

Title (de)
FÜHRUNGSRING MIT INEINANDERGREIFENDEN SEGMENTEN

Title (fr)
BAGUE D'OBTURATEUR AVEC DES SEGMENTS ACCOUPlés

Publication
EP 3025117 A1 20160601 (EN)

Application
EP 14790458 A 20141016

Priority
US 2014060806 W 20141016

Abstract (en)
[origin: WO2016060665A1] An obturator (10) can be secured to a projectile (60) to be launched from within a launch tube. The obturator (10) cooperates with the projectile (60) to seal a pressurized gas within the launch tube during launch. The obturator (10) has a plurality of segments (12) that combine to form a ring (14). Each segment (12) has connecting features that cooperate with corresponding connecting features of an adjacent segment (12) to hold the segments (12) together by restricting relative circumferential movement, without restricting radially outward movement of individual segments (12). Preferably, each segment (12) is identical, making it easier to repair and assemble the obturator (10). Upon launch, the obturator segments (12) can move radially outwardly to separate into relatively small, uniformly-sized pieces.

IPC 8 full level
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CPC (source: EP)
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Citation (search report)
See references of WO 2016060665A1

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