

Title (en)  
Sealing arrangement for an arrow-type projectile.

Title (de)  
Dichtungsanordnung für ein Pfeilgeschoss.

Title (fr)  
Dispositif d'étanchéité d'un projectile flèche.

Publication  
**EP 0455550 A1 19911106 (FR)**

Application  
**EP 91401127 A 19910429**

Priority  
FR 9005676 A 19900504

Abstract (en)  
The invention relates to a device for ensuring the sealing of an arrow-type projectile between a shoe (2) provided with a tapping (14) and a threaded penetrator (1) fitted in the tapping with respect to combustion gasses. It is characterised in that it is constituted by an elastomer element (4) applied on the rear part of the shoe and comprising a lip (6) bearing elastically on the penetrator. The elastomer element (4) is obtained by overmoulding on the shoe (2) and an insert (7) engaged in the latter, and has a Shore hardness of greater than or equal to 70 and an extension before fracture of less than or equal to 250%. The lip (6) of the elastomer element has an edge whose thickness is between 10 and 15% of the diameter of the penetrator. Application to artillery projectiles. <IMAGE>

IPC 1-7  
**F42B 14/06**

IPC 8 full level  
**F42B 14/06** (2006.01)

CPC (source: EP)  
**F42B 14/061** (2013.01); **F42B 14/067** (2013.01)

Citation (search report)  
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US6279214B1; WO0104564A1

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DE GB

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