

Title (en)  
BARREL OPENING MECHANISM OF GRENADE LAUNCHER

Title (de)  
LAUFÖFFNUNGSMECHANISMUS EINES GRANATWERFERS

Title (fr)  
MÉCANISME D'OUVERTURE DE CANON DE LANCE-GRENADE

Publication  
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Application  
**EP 14769600 A 20140319**

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Abstract (en)  
[origin: WO2014149003A1] The present invention provides a grenade launcher (100) in which a barrel (130) is connected to a receiver arm (110a) by a barrel pivot (150) and a releasable latch mechanism (170). When the barrel (130) is released from the receiver arm (110a) by the latch mechanism (170), the barrel pivot (150) allows the barrel to droop about 5 degree about a transverse Y-axis at the barrel pivot (150) and at the same time allowing the barrel to be turned laterally about a vertical Z-axis to the left or right hand side of the receiver arm. A top surface of the receiver arm has a Picatinny rail (120), a forward end of which is disposed a stopper plate (122) to secure a pivot pin (152) within the receiver arm (110a). The stopper plate (122) is provided to transmit recoil forces to an external device connected at the Picatinny rail (120).

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Citation (search report)  
• [XA] US 3641691 A 19720215 - ELLIS PAUL H, et al  
• [A] EP 0085193 A1 19830810 - HECKLER & KOCH GMBH [DE]  
• [A] US 3967402 A 19760706 - COOKSEY GEORGE E  
• See references of WO 2014149003A1

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