

Title (en)  
Structure of grenade for toy gun

Title (de)  
Struktur einer Granate für eine Spielzeugpistole

Title (fr)  
Structure de grenade pour pistolet jouet

Publication  
**EP 2573503 B1 20131113 (EN)**

Application  
**EP 11181897 A 20110920**

Priority  
EP 11181897 A 20110920

Abstract (en)  
[origin: EP2573503A1] A grenade for toy gun generally includes a bullet compartment (2) having multiple circumferentially arranged accommodation cylinders (22) to receive BB bullets or paintballs therein, a storage chamber (3) forming circumferential raised walls (31, 32), and an actuation rod assembly (4) that is hollow and has a front end forming an air inlet opening (411) in which a check valve is mounted and a rear end forming an air output opening (44) and circumferential gasket rings (421, 431). The gasket rings (421, 431) are respectively set in engagement with the raised wall (31, 32) to hermetically seal the storage chamber (3). Compressed air is fed through the air inlet opening (411) and is discharged through the air output opening (44) to accumulate in the storage chamber (3). In percussion, the actuation rod assembly (4) is caused to move forward to disengage the gasket ring (421, 431) from the raised wall (42, 43) so as to release the compressed air to instantaneously eject the BB bullets or paintballs (5) received in the bullet compartment (2).

IPC 8 full level  
**F42B 6/10** (2006.01)

CPC (source: EP)  
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Cited by  
US11402184B2; US9803952B2; WO2015114494A1

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