

Title (en)  
CARRIER PROJECTILE AND TRAINING SUBMISSILES THEREFOR

Publication  
**EP 0337049 B1 19930421 (DE)**

Application  
**EP 89100162 A 19890105**

Priority  
DE 3809177 A 19880318

Abstract (en)  
[origin: US4869174A] An exercise firing projectile containing a plurality of pyrotechnic fragmentation devices are expelled from the projectile casing above the target area by an ejection charge, and delay tubes of the fragmentation devices are ignited at the same time by this charge through a central igniter tube contained within the projectile. The active charge of the devices consist of a grainy composite with quick reaction time.

IPC 1-7  
**C06B 45/20; F42B 10/56; F42B 12/40; F42B 12/60**

IPC 8 full level  
**F42B 8/14** (2006.01); **C06B 45/20** (2006.01); **F42B 10/56** (2006.01); **F42B 12/40** (2006.01); **F42B 12/58** (2006.01); **F42B 12/60** (2006.01)

CPC (source: EP US)  
**C06B 45/20** (2013.01 - EP US); **F42B 10/56** (2013.01 - EP US); **F42B 12/40** (2013.01 - EP US); **F42B 12/60** (2013.01 - EP US)

Citation (examination)  
Rheinmetall Waffentechnisches Taschenbuch 5. Auflage, Düsseldorf 1980, Seite 65

Designated contracting state (EPC)  
AT BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)  
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DOCDB simple family (application)  
**US 32703189 A 19890322**; AT 89100162 T 19890105; CA 592292 A 19890228; DE 3809177 A 19880318; DE 58904103 T 19890105; EP 89100162 A 19890105; JP 5599689 A 19890308