

Title (en)  
Non-lethal projectile

Title (de)  
Nicht tödliches Geschoss

Title (fr)  
Projectile non mortel

Publication  
**EP 1484573 A1 20041208 (EN)**

Application  
**EP 04013195 A 20040603**

Priority  
US 47570503 P 20030604

Abstract (en)  
The present invention is a projectile comprising a non-lethal payload (50), a frangible composite case (10), an air-bursting fuze (40), and at least one explosive (30). The projectile is adaptable to any medium or large caliber ammunition. After being launched from a gun system towards an intended target, the fuze mechanism triggers a first explosive charge that causes a blast force to disintegrate the composite case into sufficiently small particles so that the particles rapidly decelerate to a non-lethal state. The explosive charge may also create an overpressure wave to disorient or incapacitate the target. Other non-lethal payloads, such as aerosols or rubber pellets, may be included within the walls of the frangible case.  
<IMAGE>

IPC 1-7  
**F42B 12/00**

IPC 8 full level  
**F42B 12/24** (2006.01); **F42B 12/32** (2006.01); **F42B 12/50** (2006.01); **F42B 12/56** (2006.01); **F42B 12/76** (2006.01)

CPC (source: EP)  
**F42B 12/32** (2013.01); **F42B 12/50** (2013.01); **F42B 12/56** (2013.01); **F42B 12/76** (2013.01)

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Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 1484573 A1 20041208**; JP 2004361077 A 20041224; NO 20042296 L 20041206

DOCDB simple family (application)  
**EP 04013195 A 20040603**; JP 2004166781 A 20040604; NO 20042296 A 20040603