

Title (en)
Sub-combat unit

Title (de)
Submunition

Title (fr)
Sous-munition

Publication
EP 0587969 B1 19970502 (EN)

Application
EP 92850217 A 19920914

Priority
• EP 92850217 A 19920914
• US 95748892 A 19921007

Abstract (en)
[origin: EP0587969A1] The invention relates to a sub-combat unit which is disposed to be separated from a flying body, for example a carrier shell or the like, over a target area, the sub-combat unit comprising a warhead (4), a target detector (5) and two diametrically located carrier surfaces (1, 2) which impart to the sub-combat unit a rotation for scanning the target area in a helical pattern during the fall of the sub-combat unit down towards the target area, and both of the carrier surfaces (1, 2) being pivotally disposed from a collapsed position to an opened position where both of the carrier surfaces form a retarding area for the fall velocity of the sub-combat unit. The sub-combat unit is designed such that the relationship between the largest main inertia moment and the other main inertia moments of the sub-combat unit lies within the range of between 1.05 and 1.15. Hereby, the direction of the axis of rotation of the sub-combat unit will, during a transitional phase, be deflected and assume an almost vertical direction, at the same time as pendulum movements in the axis are damped out. <IMAGE>

IPC 1-7
F42B 10/50

IPC 8 full level
F42B 10/50 (2006.01)

CPC (source: EP)
F42B 10/50 (2013.01)

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

DOCDB simple family (publication)
EP 0587969 A1 19940323; EP 0587969 B1 19970502

DOCDB simple family (application)
EP 92850217 A 19920914