

Title (en)  
PERCUSSION FUSE

Title (de)  
AUFSCHLAGZÜNDER

Title (fr)  
FUSEE PERCUTANTE

Publication  
**EP 1504235 A1 20050209 (DE)**

Application  
**EP 02721949 A 20020513**

Priority  
CH 0200257 W 20020513

Abstract (en)  
[origin: WO03095933A1] Percussion fuses of missiles must meet numerous safety requirements and must trigger ignition with minimal delay. According to the inventive method, after the launch of a missile (M), a turbine/firing pin unit (1) is unlocked behind a cap (2) comprising a central inlet (3), and the rotor disk (1a) of said unit is subjected to the dynamic pressure (S). Said dynamic pressure (S) pushes the turbine/firing pin unit (1) into a front position (II), in such a way that it can act as an impact detector. According to the inventive device, the turbine/firing pin unit (1) comprises a screw thread (1c) on its shaft and is screwed into a threaded bush (32), in such a way that the dynamic pressure (S) pushes the unit (1) into the front position (II), against the direction of flow. During the impact, the rear end of the unit (1) acts as a percussion needle and initiates an ignition chain.

IPC 1-7  
**F42C 15/295**

IPC 8 full level  
**F42C 15/295** (2006.01)

CPC (source: EP)  
**F42C 15/295** (2013.01)

Citation (search report)  
See references of WO 03095933A1

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)  
**WO 03095933 A1 20031120**; AU 2002252924 A1 20031111; EP 1504235 A1 20050209

DOCDB simple family (application)  
**CH 0200257 W 20020513**; AU 2002252924 A 20020513; EP 02721949 A 20020513