

Title (en)  
PROGRAMMABLE AMMUNITION

Title (de)  
PROGRAMMIERBARE MUNITION

Title (fr)  
MUNITION PROGRAMMABLE

Publication  
**EP 2531806 B1 20160120 (DE)**

Application  
**EP 11704923 A 20110128**

Priority  
• DE 102010006530 A 20100201  
• EP 2011000389 W 20110128

Abstract (en)  
[origin: CA2784931A1] The invention relates to programmable ammunition (1) which receives a programme as well as energy transmission. Said ammunition (1) also comprises an energy store (5), an electronic system (6) and an ignition (7) in addition to at least one sensor (2) for capturing the signal emitted for the programme, said signal having a frequency (f3) which is transmitted further to the electronic system (6). The ammunition (1) is also combined with an energy transfer unit in such a manner that an additional signal having a frequency (f2) is guided to the energy unit (5) by the same the sensor and/or an additional sensor and is charged. Programming and the energy transmission occurs when the projectile (1) passes through a weapon barrel, a muzzle brake or similar which is operated as a waveguide below the threshold frequency.

IPC 8 full level  
**F42C 11/06** (2006.01); **F42C 11/00** (2006.01); **F42C 17/04** (2006.01)

CPC (source: EP KR US)  
**F42C 11/00** (2013.01 - KR); **F42C 11/008** (2013.01 - EP US); **F42C 11/06** (2013.01 - KR); **F42C 11/065** (2013.01 - EP US);  
**F42C 17/04** (2013.01 - EP KR US)

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**DE 102010006530 A1 20110804**; **DE 102010006530 B4 20131219**; BR 112012019016 A2 20160913; BR 112012019016 B1 20201027;  
CA 2784931 A1 20110804; CA 2784931 C 20140916; CN 102667396 A 20120912; CN 102667396 B 20141231; DK 2531806 T3 20160418;  
EP 2531806 A1 20121212; EP 2531806 B1 20160120; ES 2568791 T3 20160504; JP 2013518238 A 20130520; JP 5882912 B2 20160309;  
KR 101647540 B1 20160810; KR 20120139691 A 20121227; PL 2531806 T3 20170929; RU 2012137290 A 20140310;  
RU 2535313 C2 20141210; SG 182736 A1 20120830; UA 108627 C2 20150525; US 2014007759 A1 20140109; US 8984999 B2 20150324;  
WO 2011092023 A1 20110804; ZA 201205166 B 20130327

DOCDB simple family (application)  
**DE 102010006530 A 20100201**; BR 112012019016 A 20110128; CA 2784931 A 20110128; CN 201180004974 A 20110128;  
DK 11704923 T 20110128; EP 11704923 A 20110128; EP 2011000389 W 20110128; ES 11704923 T 20110128; JP 2012550372 A 20110128;  
KR 20127020264 A 20110128; PL 11704923 T 20110128; RU 2012137290 A 20110128; SG 2012055299 A 20110128;  
UA A201207430 A 20110128; US 201213563165 A 20120731; ZA 201205166 A 20120711