

Title (en)
DEVICE FOR THE CONTROLLED INITIATION OF THE DEFLAGRATION OF AN EXPLOSIVE CHARGE

Title (de)
VORRICHTUNG ZUR GESTEUERTEN INITIIERUNG DER DEFLAGRATION EINER SPRENGLADUNG

Title (fr)
DISPOSITIF D'INITIATION COMMANDEE DE LA DEFLAGRATION D'UNE CHARGE EXPLOSIVE

Publication
EP 3029012 A3 20160824 (DE)

Application
EP 15003412 A 20151201

Priority
DE 102014018218 A 20141206

Abstract (en)
[origin: US2016161236A1] A device for the controlled initiation of a subdetonative reaction of an explosive charge arranged in a shell includes at least one explosive charge core extending in a region of a longitudinal axis of the explosive charge. A transverse dimension of the explosive charge core is adaptable to a radial extent of the shell in a longitudinal direction of the explosive charge, while a charging of the explosive charge core is set homogeneously or locally variably over a length of the explosive charge core with respect to a type of explosive material.

IPC 8 full level
C06C 7/00 (2006.01)

CPC (source: EP US)
C06B 45/00 (2013.01 - EP US); **C06C 7/00** (2013.01 - EP US); **F42B 12/20** (2013.01 - US); **F42B 12/207** (2013.01 - US); **F42B 12/208** (2013.01 - US); **F42C 19/0838** (2013.01 - EP US)

Citation (search report)

- [XY] GB 2479966 A 20111102 - QINETIQ LTD [GB]
- [XY] DE 4318922 A1 20100429 - POUDRES & EXPLOSIFS STE NALE [FR]
- [XY] US 5243916 A 19930914 - FRECHE ALAIN [FR], et al
- [XY] EP 2133654 A2 20091216 - TDW VERTEIDIGUNGSTECH WIRKSYS [DE]
- [XP] EP 2824414 A1 20150114 - TDW GES FÜR VERTEIDIGUNGSTECHNISCHE WIRKSYSTEME MBH [DE]
- [Y] US 2463709 A 19490308 - MCFARLAND DAVID M
- [Y] US 1948583 A 19340227 - JEFFRIES JOHN M
- [A] GB 643872 A 19500927 - ATLAS POWDER CO
- [Y] WO 0194277 A2 20011213 - ENSIGN BICKFORD CO [US]
- [Y] WO 9953263 A2 19991021 - HALLIBURTON ENERGY SERV INC [US]
- [Y] US 6352029 B1 20020305 - GUIRGUIS RAAFAT H [US], et al
- [A] FR 2678722 A1 19930108 - SAINT LOUIS INST [FR]
- [A] EP 1912037 A1 20080416 - TDW VERTEIDIGUNGSTECH WIRKSYS [DE]

Cited by
CN108775855A; CN115745717A

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3029012 A2 20160608; EP 3029012 A3 20160824; EP 3029012 B1 20200715; DE 102014018218 A1 20160721;
DE 102014018218 B4 20230517; US 2016161236 A1 20160609; US 9829297 B2 20171128

DOCDB simple family (application)
EP 15003412 A 20151201; DE 102014018218 A 20141206; US 201514959735 A 20151204