

Title (en)  
INITIATION DEVICE, BLASTING SYSTEM AND METHOD OF BLASTING

Title (de)  
ZÜNDVORRICHTUNG, SPRENGSYSTEM UND SPRENGVERFAHREN

Title (fr)  
INITIATEUR, SYSTÈME D'ABATTAGE À L'EXPLOSIF ET PROCÉDÉ D'ABATTAGE À L'EXPLOSIF

Publication  
**EP 2567183 A2 20130313 (EN)**

Application  
**EP 11778482 A 20110509**

Priority  
• AU 2010901993 A 20100507  
• US 2011035706 W 20110509

Abstract (en)  
[origin: WO2011140549A2] An initiation device for initiation of an explosives charge, which comprises: a transceiver for receipt of wireless command signals; a control circuit for processing of wireless command signals received by the transceiver; and a light source that is suitable for initiation of the explosives charge and that is activated by the control circuit.

IPC 8 full level  
**F42B 3/113** (2006.01); **F42D 1/055** (2006.01)

CPC (source: EA EP US)  
**F42B 3/113** (2013.01 - EA EP US); **F42D 1/05** (2013.01 - EA US); **F42D 1/055** (2013.01 - EA EP US)

Citation (search report)  
See references of WO 2011140549A2

Cited by  
WO2022272316A1

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)  
**WO 2011140549 A2 20111110; WO 2011140549 A3 20130117**; AP 2012006589 A0 20121231; AU 2011249881 B2 20160825; BR 112012028028 A2 20160802; BR 112012028028 B1 20200428; CA 2798112 A1 20111110; CA 2798112 C 20200107; CL 2012003109 A1 20130125; CN 102971602 A 20130313; CN 102971602 B 20160120; CO 6630195 A2 20130301; EA 031896 B1 20190329; EA 201291199 A1 20130430; EP 2567183 A2 20130313; EP 2567183 B1 20191023; ES 2767255 T3 20200617; JP 2013528774 A 20130711; JP 2016173229 A 20160929; JP 6356721 B2 20180711; MX 2012012819 A 20130220; NZ 603367 A 20141031; PE 20130833 A1 20130817; PT 2567183 T 20200130; US 2013098257 A1 20130425; US 2020049476 A1 20200213; ZA 201208254 B 20220428

DOCDB simple family (application)  
**US 2011035706 W 20110509**; AP 2012006589 A 20110509; AU 2011249881 A 20110509; BR 112012028028 A 20110509; CA 2798112 A 20110509; CL 2012003109 A 20121106; CN 201180022909 A 20110509; CO 12208096 A 20121116; EA 201291199 A 20110509; EP 11778482 A 20110509; ES 11778482 T 20110509; JP 2013509318 A 20110509; JP 2016071539 A 20160331; MX 2012012819 A 20110509; NZ 60336711 A 20110509; PE 2012002130 A 20110509; PT 11778482 T 20110509; US 201113696519 A 20110509; US 201916656239 A 20191017; ZA 201208254 A 20121102