

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 B1 20191023 (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 (examination)  
US 6499404 B1 20021231 - KERN HEINZ [DE], et al

Cited by  
WO2022272316A1

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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