

Title (en)  
DEVICE FOR MONITORING AN IGNITION DEVICE

Title (de)  
VORRICHTUNG ZUR ÜBERWACHUNG EINER ZÜNDEINRICHTUNG

Title (fr)  
DISPOSITIF DESTINE A LA SURVEILLANCE D'UN DISPOSITIF D'ALLUMAGE

Publication  
**EP 3133368 A1 20170222 (DE)**

Application  
**EP 16001370 A 20160617**

Priority  
DE 102015010855 A 20150818

Abstract (en)  
[origin: US2017184385A1] A monitoring device and system are provided for monitoring normal sequence of an initiation. The device includes at least one sensor in a region of an explosive charge and/or in a region of at least one ignition device for the explosive charge of the munitions system, and also a control device for evaluating output signals of the sensor with the control device connected to at least one ignition device in a controlling manner on a basis of the evaluation. At least one sensor is arranged at an output of a first ignition device for subdetonative initiation of the explosive charge. The control device is connected to a further ignition device and enables or inhibits it on a basis of a signal supplied by the sensor and assessed in the control device, and at least one sensor is designed for sensing pressure, temperature, light, electrical current or changing of mechanical states.

Abstract (de)  
Zur Vermeidung einer unerwünschten Volldetonation einer leistungsgesteuerten Wirkladung wird ein Überwachungssystem zur Kontrolle des normalen Ablaufs der Initiierung vorgeschlagen.

IPC 8 full level  
**F42C 19/08** (2006.01); **F42C 19/095** (2006.01)

CPC (source: EP US)  
**F42C 15/40** (2013.01 - US); **F42C 19/0842** (2013.01 - EP US); **F42C 19/095** (2013.01 - EP US)

Citation (applicant)  
DE 102012006044 B3 20130321 - TDW VERTEIDIGUNGSTECH WIRKSYS [DE]

Citation (search report)  
• [XA] DE 102014004003 B3 20141030 - TDW GES FÜR VERTEIDIGUNGSTECHNISCHE WIRKSYSTEME MBH [DE]  
• [AD] DE 102012006044 B3 20130321 - TDW VERTEIDIGUNGSTECH WIRKSYS [DE]  
• [A] EP 2824414 A1 20150114 - TDW GES FÜR VERTEIDIGUNGSTECHNISCHE WIRKSYSTEME MBH [DE]  
• [A] EP 2789965 A1 20141015 - DIEHL BGT DEFENCE GMBH & CO KG [DE]  
• [A] EP 1108973 A2 20010620 - TDW GES FUER WEHRTECHNISCHE WI [DE]  
• [A] DE 3641054 A1 19880616 - HELD MANFRED DIPL PHYS DR [DE]  
• [A] GIBSON N: "A weapon for all occasions? Dial-a-yield concepts hold out promise of flexibility", JANE'S INTERNATIONAL DEFENCE REVIEW, JANE'S INFORMATION GROUP, COULSDON, SURREY, GB, vol. 41, no. 7, 1 July 2008 (2008-07-01), pages 28 - 29, XP001515428, ISSN: 1476-2129

Cited by  
CN112130517A

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 3133368 A1 20170222**; **EP 3133368 B1 20180815**; DE 102015010855 A1 20170223; ES 2694283 T3 20181219; US 10228226 B2 20190312; US 2017184385 A1 20170629

DOCDB simple family (application)  
**EP 16001370 A 20160617**; DE 102015010855 A 20150818; ES 16001370 T 20160617; US 201615239432 A 20160817