

Title (en)

Process for treating explosives

Title (de)

Verfahren zur Entsorgung von Explosivstoffen

Title (fr)

Procédé pour le traitement d'explosifs

Publication

EP 0858816 A1 19980819 (DE)

Application

EP 97108010 A 19970516

Priority

CH 30997 A 19970213

Abstract (en)

[origin: US5763736A] A method for the decomposition of explosive materials into water-soluble products is offered, which can be disposed of in a thermal or biochemical way, which requires only very short reaction times because of the addition of polar, aliphatic, non-saponifiable compounds to a strongly basic, preferably aqueous reaction medium and under temperature control by means of the metered addition of the explosive materials.

Abstract (de)

Es wird ein Verfahren zum Abbau von Explosivstoffen zu wasserlöslichen Produkten angeboten, die auf thermischem und / oder biochemischem Weg vollstentsorgbar sind, welches durch Zusatz von polaren, aliphatischen, nicht verseifbaren Verbindungen zu einem stark basischen, bevorzugt wässrigen Reaktionsmedium und unter kontrollierter Temperaturführung durch dosierte Zugabe der Explosivstoffe nur sehr kurze Reaktionszeiten benötigt.

IPC 1-7

A62D 3/00

IPC 8 full level

A62D 3/00 (2006.01); **A62D 3/35** (2007.01); **A62D 3/37** (2007.01); **A62D 101/06** (2007.01); **A62D 101/26** (2007.01); **A62D 101/28** (2007.01)

CPC (source: EP US)

A62D 3/35 (2013.01 - EP US); **A62D 3/37** (2013.01 - EP US); **A62D 2101/06** (2013.01 - EP US); **A62D 2101/26** (2013.01 - EP US); **A62D 2101/28** (2013.01 - EP US); **A62D 2203/04** (2013.01 - EP US); **Y10S 149/124** (2013.01 - EP)

Citation (search report)

- [X] DE 4036787 A1 19920521 - DORNIER GMBH [DE]
- [A] DE 4115435 C1 19920806
- [A] US 4229182 A 19801021 - FROSCH ROBERT A ADMINISTRATOR, et al
- [A] CHEMICAL ABSTRACTS, vol. 124, no. 24, 10 June 1996, Columbus, Ohio, US; abstract no. 324452, SIDHOUM, MOHAMMED ET AL: "Enhanced alkaline hydrolysis and biodegradability studies of nitrocellulose -bearing missile propellant" XP002028947 & NASA CONF. PUBL. (1995), 3298(AEROSPACE ENVIRONMENTAL TECHNOLOGY CONFERENCE, 1994), 87-98 CODEN: NACPDX;ISSN: 0191-7811, 1995
- [A] CHEMICAL ABSTRACTS, vol. 105, no. 10, 8 September 1986, Columbus, Ohio, US; abstract no. 81161, EMRI, JOZSEF, MRS. ET AL: "Decomposition of explosive materials arising during the purification of 1,5-bis(5-nitro-2-furyl)-1,4-pentadien-3- one, a fodder additive intermediate." XP002028948 & HU 34451 A
- [A] CHEMICAL ABSTRACTS, vol. 93, no. 21, 24 November 1980, Columbus, Ohio, US; abstract no. 203970, SAVITSKAYA, L. M. ET AL: "Retardation of explosive decomposition of acetylene by alcohols and aldehydes" XP002028949 & TR. BURYAT. INST. ESTESTV. NAUK, BURYAT. FIL., SIB. OTD., AKAD. NAUK SSSR (1977), 14, 326-30 CODEN: TBBFAY;ISSN: 0525-2296, 1977

Designated contracting state (EPC)

CH FR IT LI

DOCDB simple family (publication)

US 5763736 A 19980609; EP 0858816 A1 19980819

DOCDB simple family (application)

US 83483397 A 19970410; EP 97108010 A 19970516