

Title (en)

USE OF NANOPARTICLES IN EXPLOSIVES

Title (de)

VERWENDUNG VON NANOPARTIKELN IN EXPLOSIVSTOFFEN

Title (fr)

UTILISATION DE NANOPARTICULES DANS DES EXPLOSIFS

Publication

**EP 2215034 A1 20100811 (EN)**

Application

**EP 08836328 A 20080917**

Priority

- US 2008076645 W 20080917
- US 97665407 P 20071001

Abstract (en)

[origin: WO2009045723A1] Explosives containing aqueous oxidizer solution, fuel, and a nanoparticle-stabilized foam sensitizer. The explosives may also further contain an emulsifier.

IPC 8 full level

**C06B 45/00** (2006.01); **C06B 29/22** (2006.01); **C06B 31/28** (2006.01); **C06B 47/14** (2006.01)

CPC (source: EP US)

**C06B 23/002** (2013.01 - EP US); **C06B 47/00** (2013.01 - EP US); **C06B 47/14** (2013.01 - EP US); **C06B 47/145** (2013.01 - EP US)

Citation (search report)

See references of WO 2009045723A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

**WO 2009045723 A1 20090409**; AU 2008307285 A1 20090409; AU 2008307285 B2 20111027; BR PI0817190 A2 20150317; CA 2700384 A1 20090409; CN 101808959 A 20100818; EP 2215034 A1 20100811; US 2010206441 A1 20100819

DOCDB simple family (application)

**US 2008076645 W 20080917**; AU 2008307285 A 20080917; BR PI0817190 A 20080917; CA 2700384 A 20080917; CN 200880109216 A 20080917; EP 08836328 A 20080917; US 68082408 A 20080917