

Title (en)
Emulsion explosives

Title (de)
Emulsionssprengstoffe

Title (fr)
Explosifs en émulsion

Publication
EP 2360133 A3 20140917 (EN)

Application
EP 11250151 A 20110210

Priority
ZA 201001024 A 20100211

Abstract (en)
[origin: EP2360133A2] A method of producing an emulsion explosive for use in an underground mining operation is provided. The method includes feeding, by means of gravity, an emulsion explosive oxidizer from an oxidizer source to an underground oxidizer holding zone in a mine, while separately feeding, by means of gravity, an emulsion explosive fuel from a fuel source to an underground fuel holding zone in the mine. Oxidizer and fuel are withdrawn from the oxidizer holding zone and the fuel holding zone respectively, and separately fed, under gravity, to an underground emulsion explosive production zone which is thus located at a lower level in the mine than the oxidizer holding zone and the fuel holding zone. An emulsion explosive is produced by admixing the fuel and the oxidizer in the emulsion explosive production zone.

IPC 8 full level
C06B 21/00 (2006.01); **C06B 47/14** (2006.01); **F42D 1/10** (2006.01)

CPC (source: EP)
C06B 21/0008 (2013.01); **C06B 47/145** (2013.01); **E21D 9/006** (2013.01); **E21F 13/006** (2013.01); **F42D 1/10** (2013.01)

Citation (search report)
• [I] WO 2007086950 A2 20070802 - DYN0 NOBEL INC [US], et al
• [I] ZA 987085 B 19990215 - AECI EXPLOSIVES LTD

Cited by
EA029243B1; CN103319287A; WO2013127241A1; WO2014041476A3

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

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EP 2360133 A2 20110824; EP 2360133 A3 20140917; AP 2011005575 A0 20110228; AP 3134 A 20150228; AU 2011200535 A1 20110825; AU 2011200535 B2 20140116; ZA 201101044 B 20111026

DOCDB simple family (application)
EP 11250151 A 20110210; AP 2011005575 A 20110208; AU 2011200535 A 20110209; ZA 201101044 A 20110209